

DRAWING NOT TO SCALE

STANDARD VALVE BOX INSTALLATION

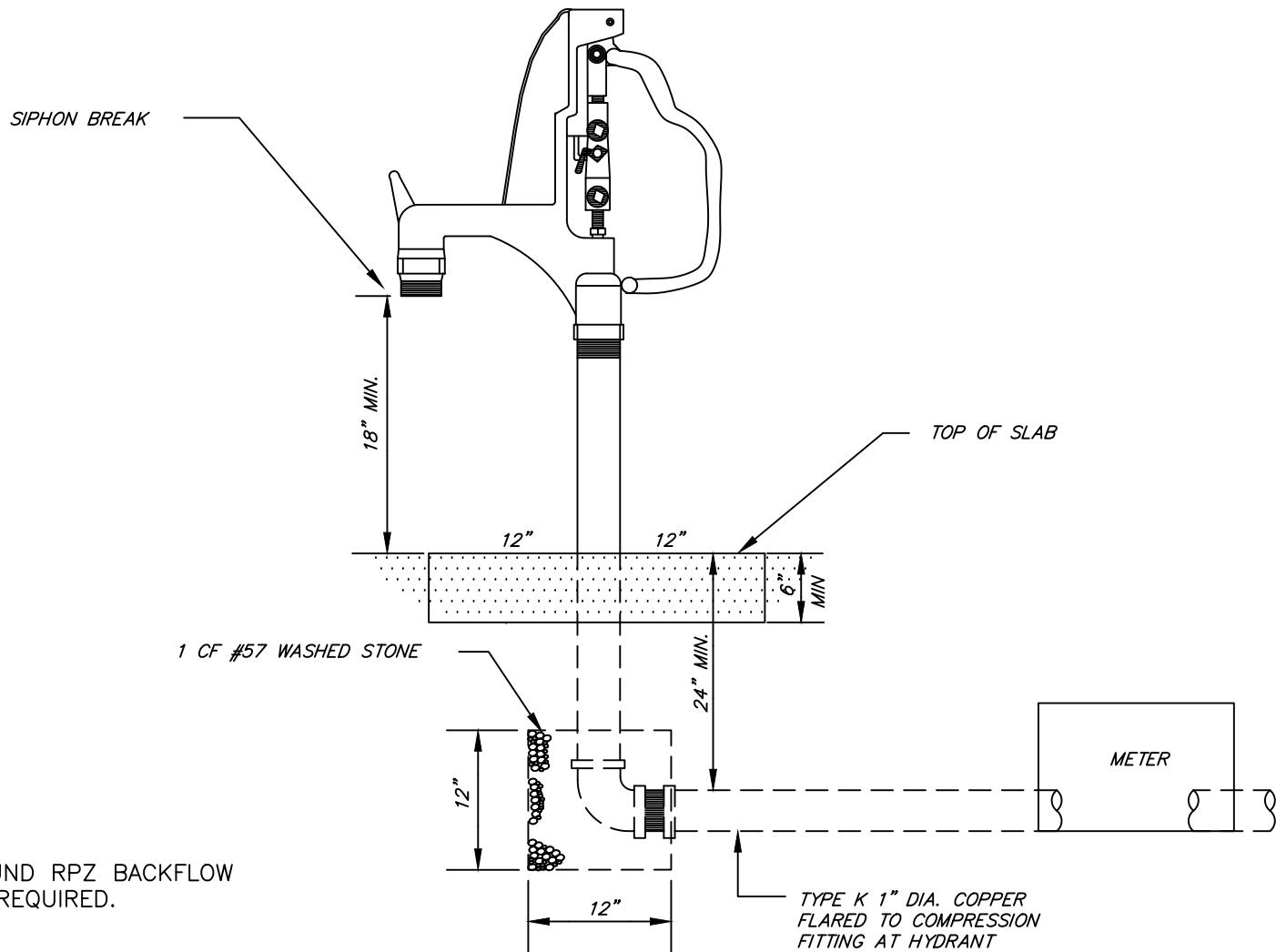
TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS601

DATE REVISIONS

8/4/17
11/19/24





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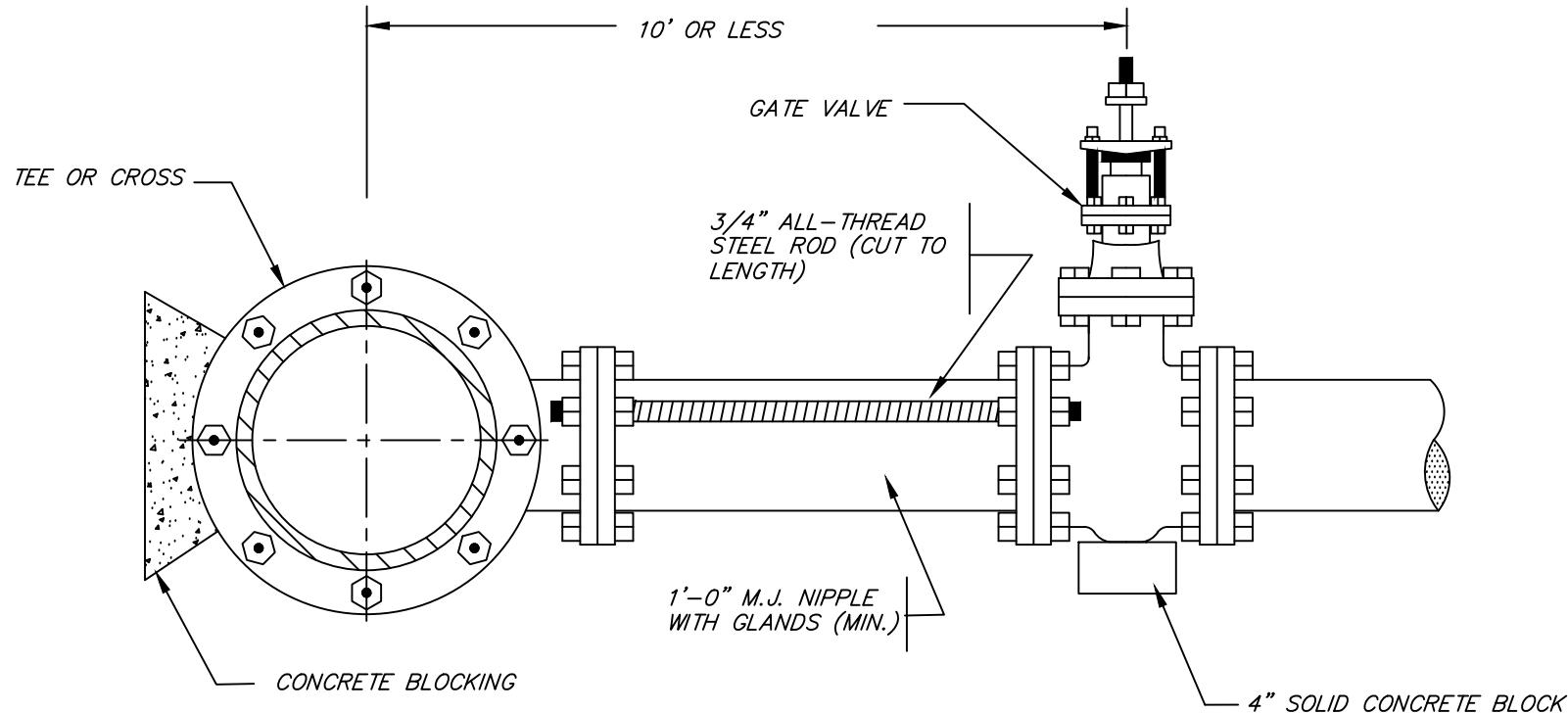
YARD HYDRANT (NONFREEZE)

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS602

DATE | REVISIONS

8/30/19



ROD REQUIREMENTS

BRANCH SIZE	NO. OF RODS
4"	2
6"	2
8"	4
12"	4
16"	6
24"	6

NOTES:

1. ONCE INSTALLED AND TIGHT, THE STEEL RODS AND BOLTS SHALL BE COATED WITH 2 COATS OF BITUMINOUS BASE PAINT, STAINLESS STEEL AND GALVANIZED RODS CAN BE USED.
2. SEE STANDARD THRUST BLOCK.
3. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL FITTINGS.
4. CAN USE GALVANIZED RODS AND COAT RODS WHERE THEY ARE CUT.

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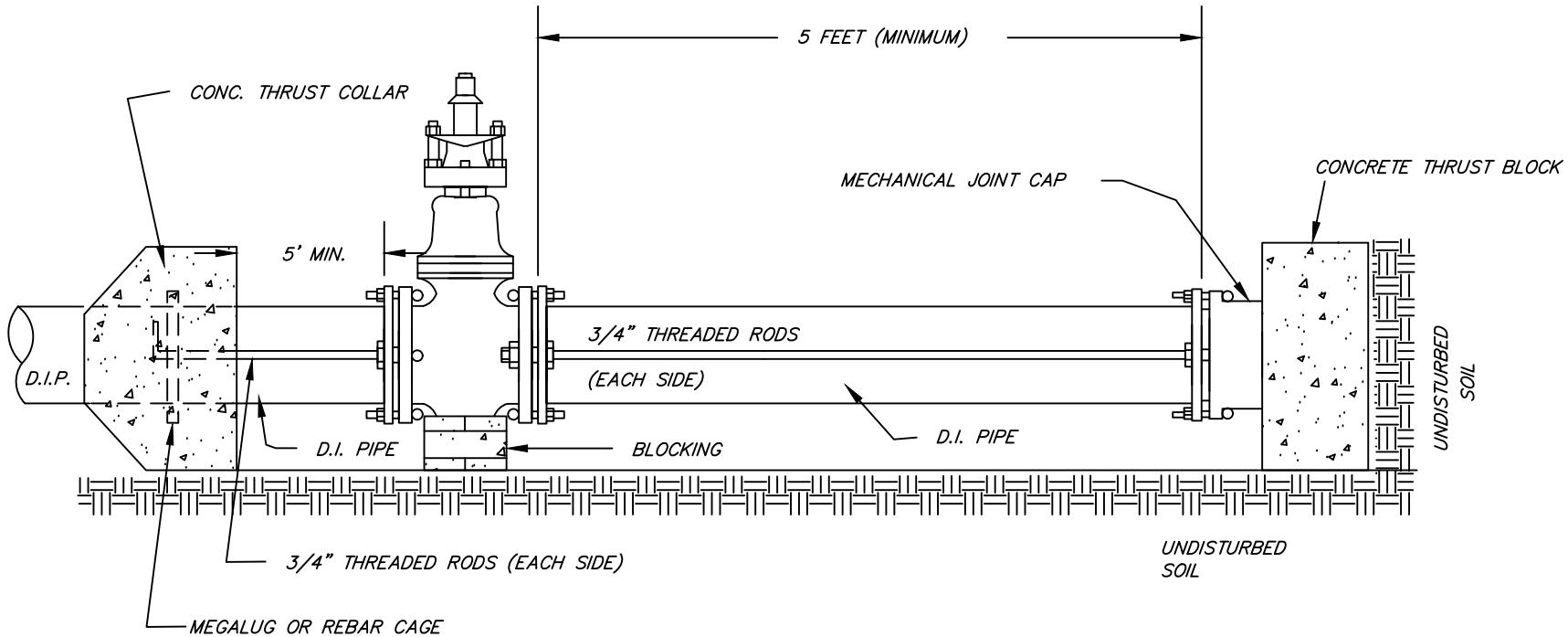
STANDARD VALVE RODDING

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS603

DATE REVISIONS

7/24/09



NOTES:

THIS DETAIL SHALL APPLY ONLY TO TEMPORARY CAPPING. PERMANENT DEAD END LINES TO BE IN ACCORDANCE WITH DETAIL HS29.

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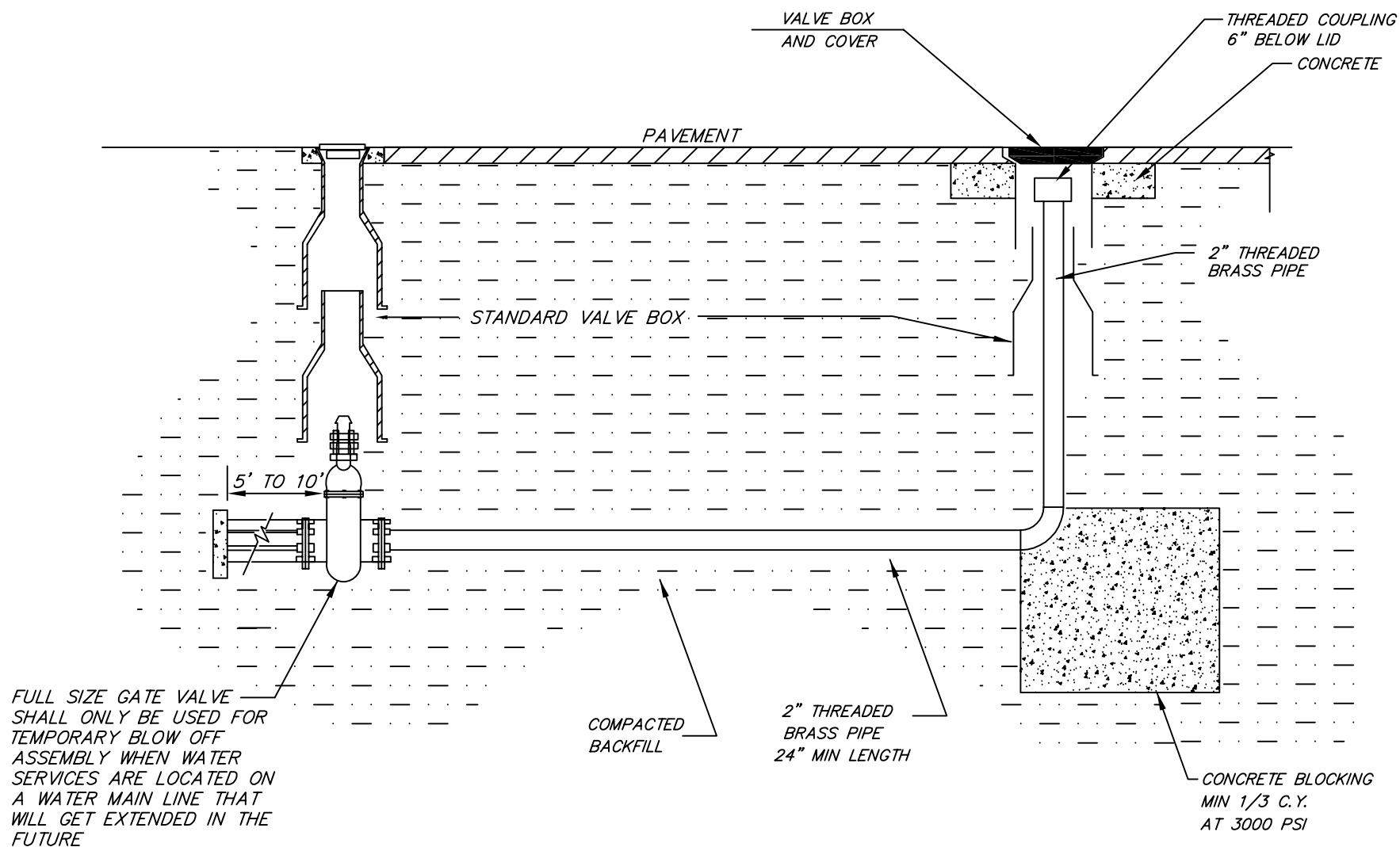
STANDARD CAPPING DETAIL

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS604

DATE REVISIONS

8/30/19



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TEMPORARY BLOW-OFF ASSEMBLY

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

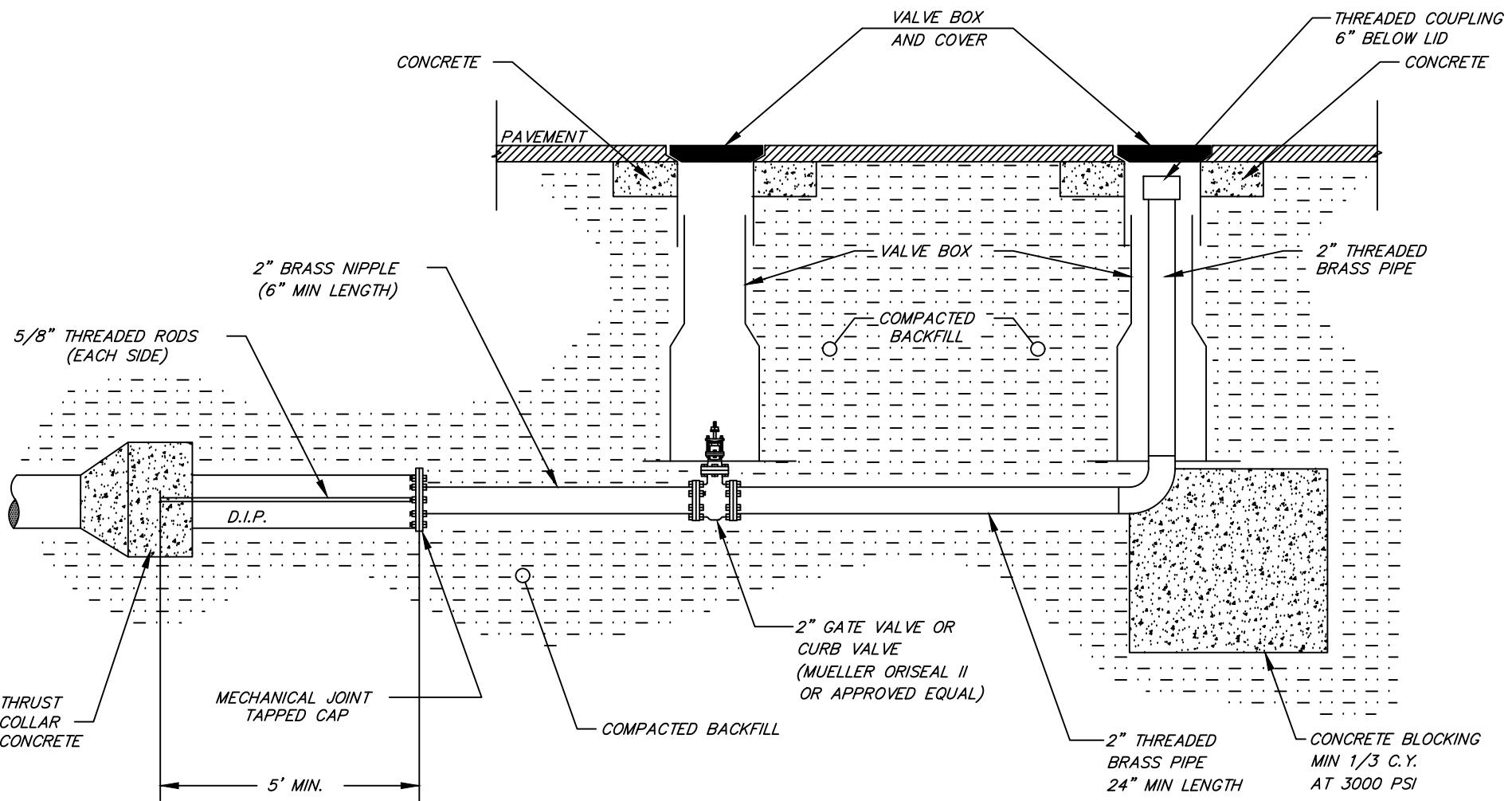
STANDARD DETAIL NUMBER: HS605

DATE REVISIONS

8/30/19

6/27/23

FULL SIZE GATE VALVE RESTRICTION NOTE ADDED



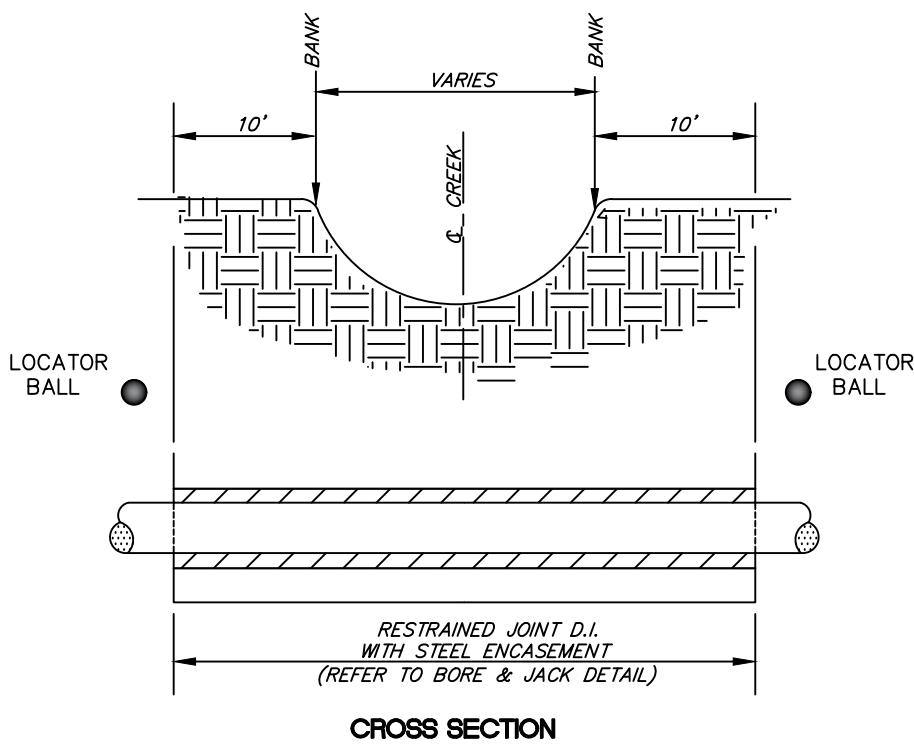
STANDARD 2" BLOW-OFF ASSEMBLY

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS606

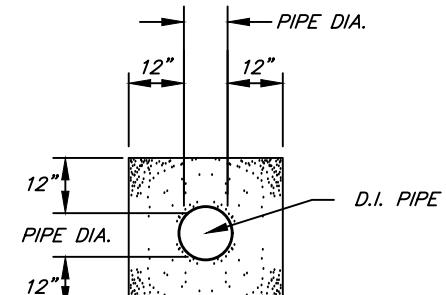
DATE REVISIONS

8/30/19



NOTES:

1. TOP OF CASING PIPE MUST BE AT LEAST 1' BELOW SOLID STREAM BOTTOM.
2. CONCRETE ENCASEMENT MAY BE PERMITTED IN CERTAIN CIRCUMSTANCES. SEE CONCRETE DETAIL.
3. INSTALL LOCATOR BALLS AT EACH END OF CASING.



**CONCRETE DETAIL
(IF PERMITTED)**

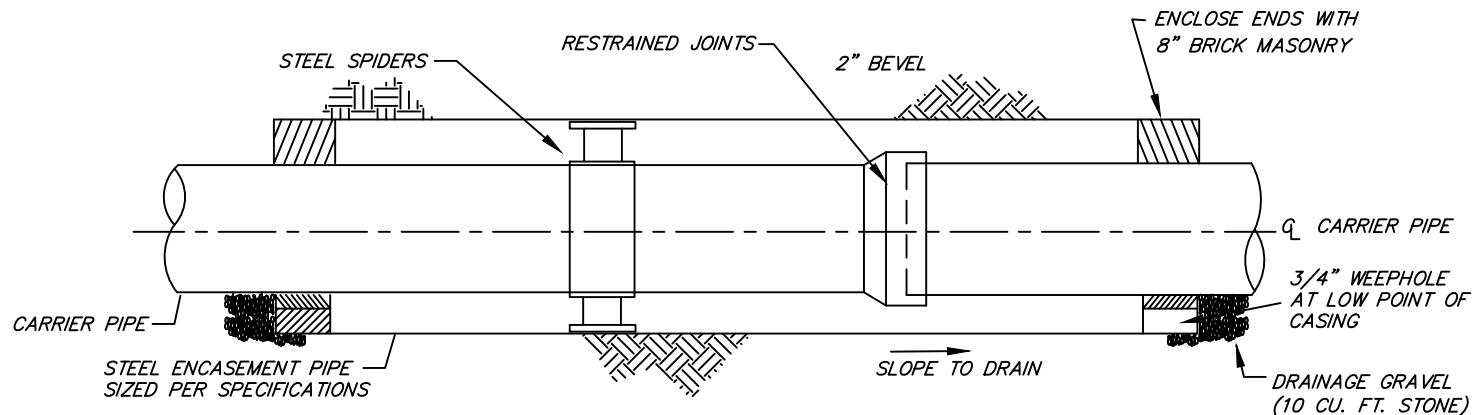
STANDARD STEEL ENCASEMENT FOR STREAM CROSSING

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS607

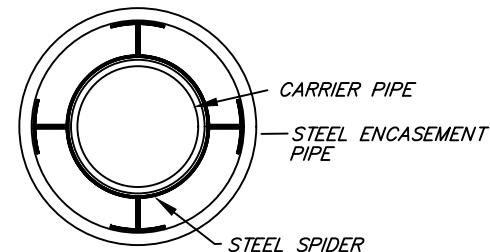
DATE **REVISIONS**

1/15/19



NOTES:

1. DUCTILE IRON PIPE SHOULD HAVE 2 SPIDERS PER STITCH OF PIPE.
2. PVC SHOULD HAVE 3 SPIDERS PER STITCH OF PIPE.
3. RESTRAINT – GASKET REQUIRED FOR PUSH ON JOINT PIPE.
(NO WELDED RINGS ALLOWED TO BE USED FOR RESTRAINT)



SPIDER DETAIL

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WATER BORE + JACK DETAIL

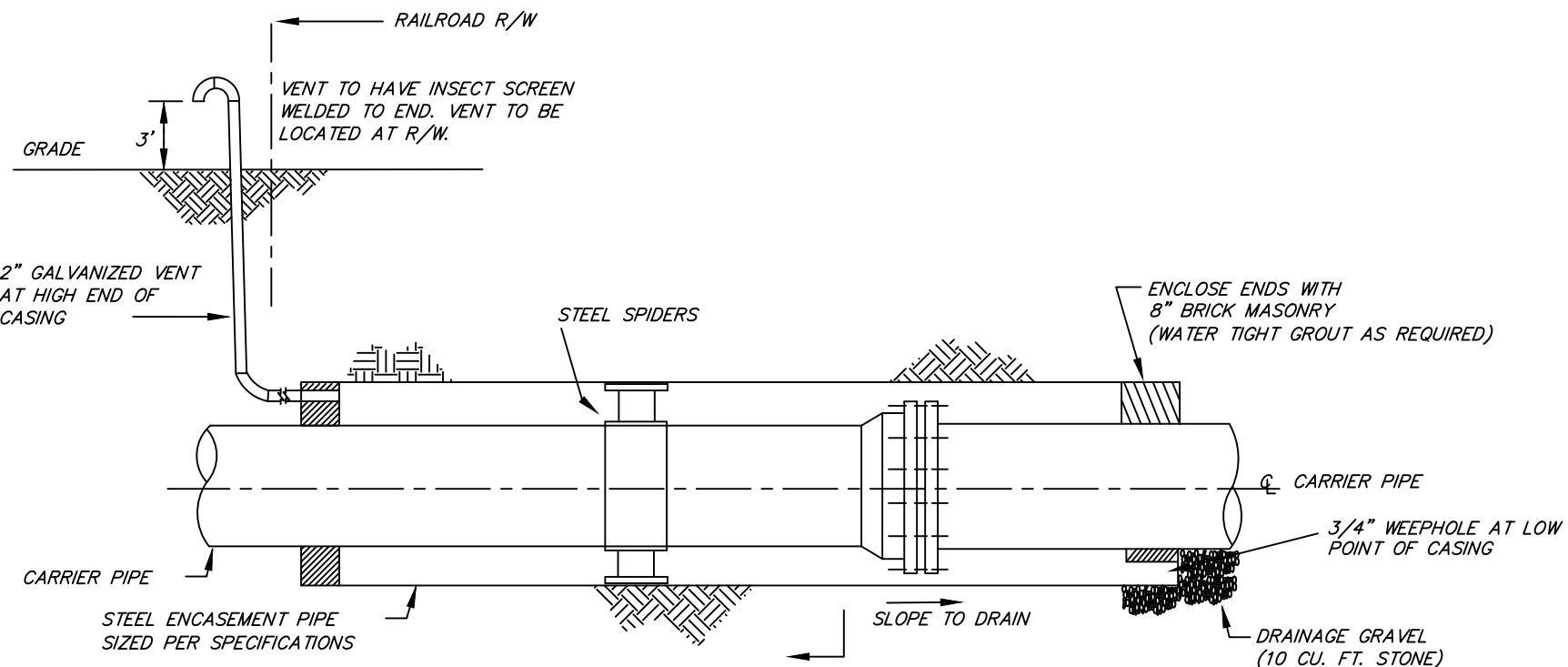
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS608

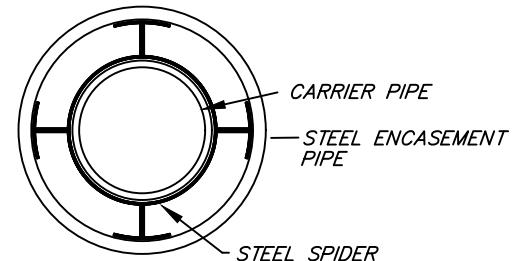
DATE | REVISIONS

7/24/18





ELEVATION



SPIDER DETAIL

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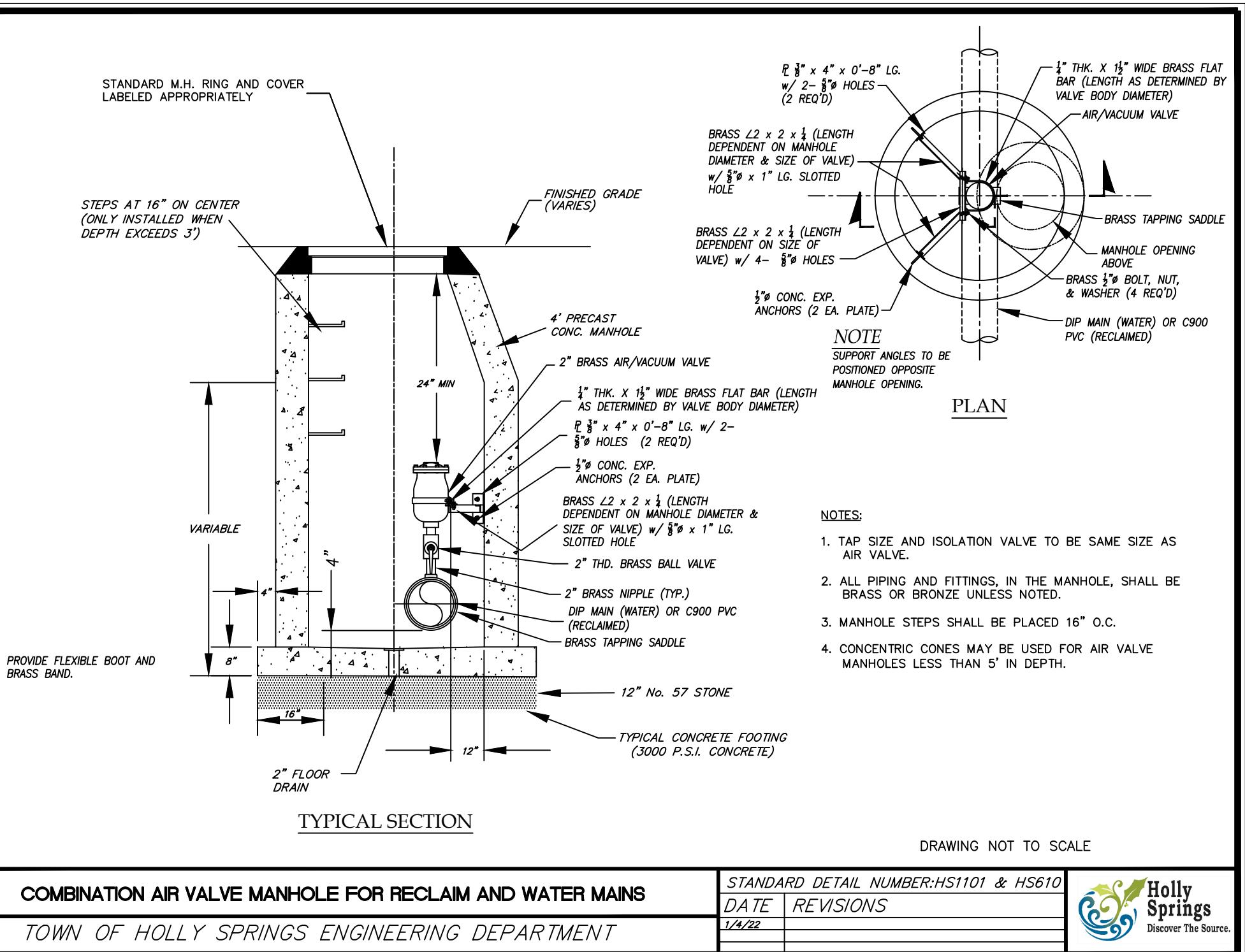
CARRIER PIPE - UNDER RAILROAD

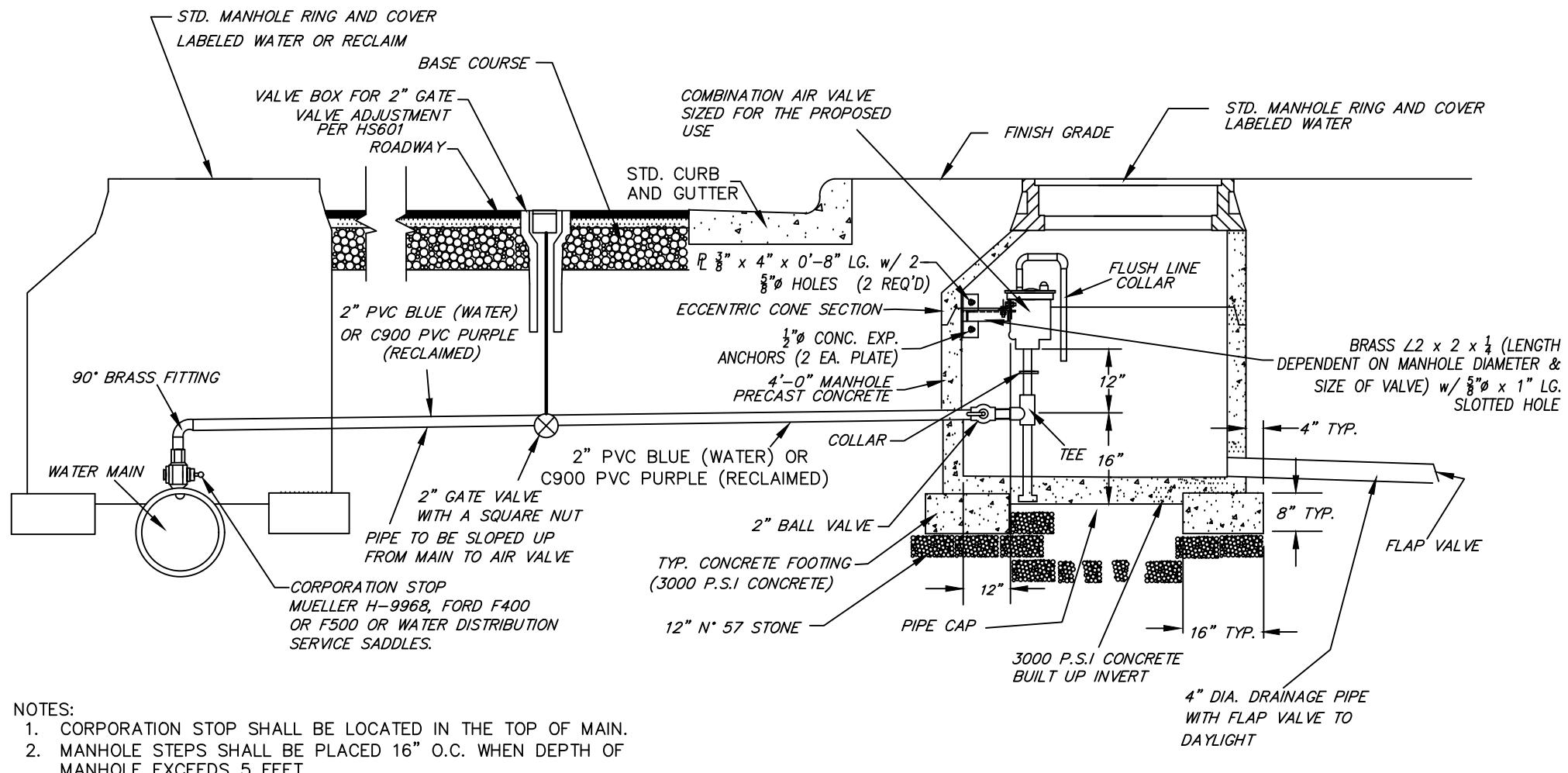
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS609

DATE REVISIONS

8/30/19





NOTES:

1. CORPORATION STOP SHALL BE LOCATED IN THE TOP OF MAIN.
2. MANHOLE STEPS SHALL BE PLACED 16" O.C. WHEN DEPTH OF MANHOLE EXCEEDS 5 FEET.

NOTE: IF DRAIN PIPE TO DAYLIGHT IS NOT ACHIEVABLE THEN
MUST RECEIVE APPROVAL FROM DIRECTOR OF UTILITIES AND
INFRASTRUCTURE FOR AN ACCEPTABLE STANDARD AIR RELEASE

DRAWING NOT TO SCALE

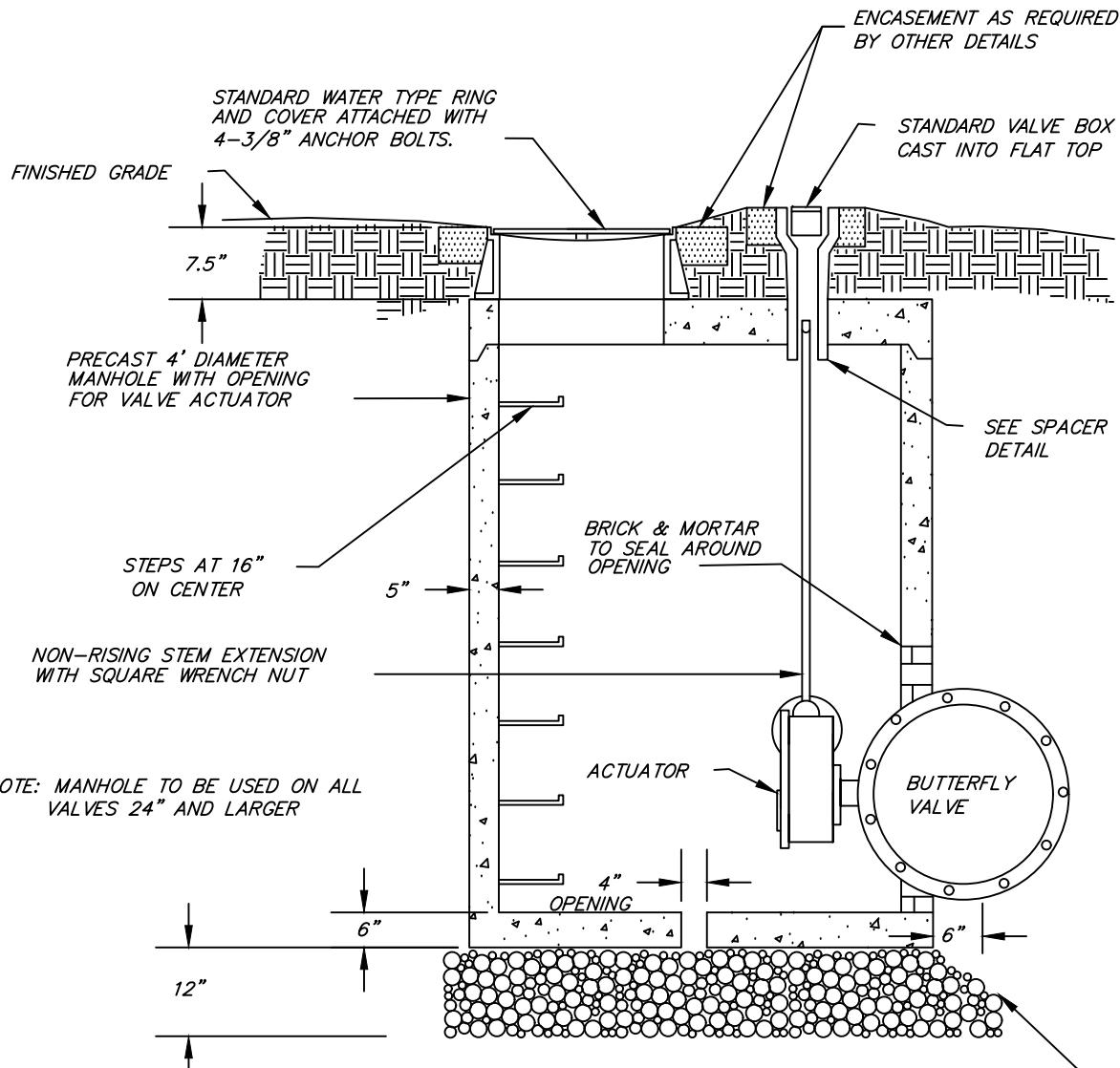
**STANDARD COMBINATION AIR VALVE MANHOLE OFFSET FROM MAIN
FOR RECLAIMED WATER OR WATER MAINS**

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

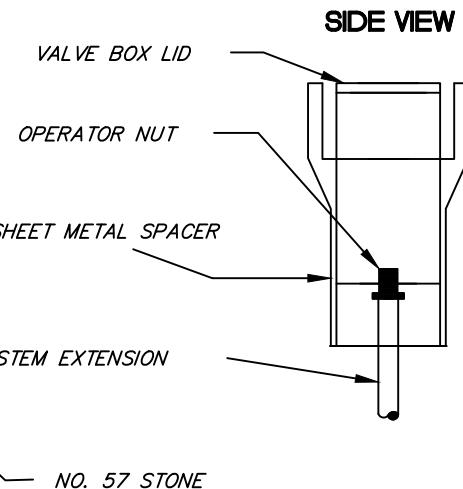
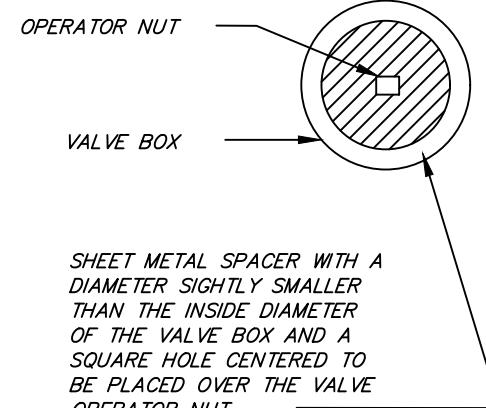
STANDARD DETAIL NUMBER: **HS611 HS1102**

DATE	REVISIONS
1/4/22	





SPACER DETAIL
TOP VIEW



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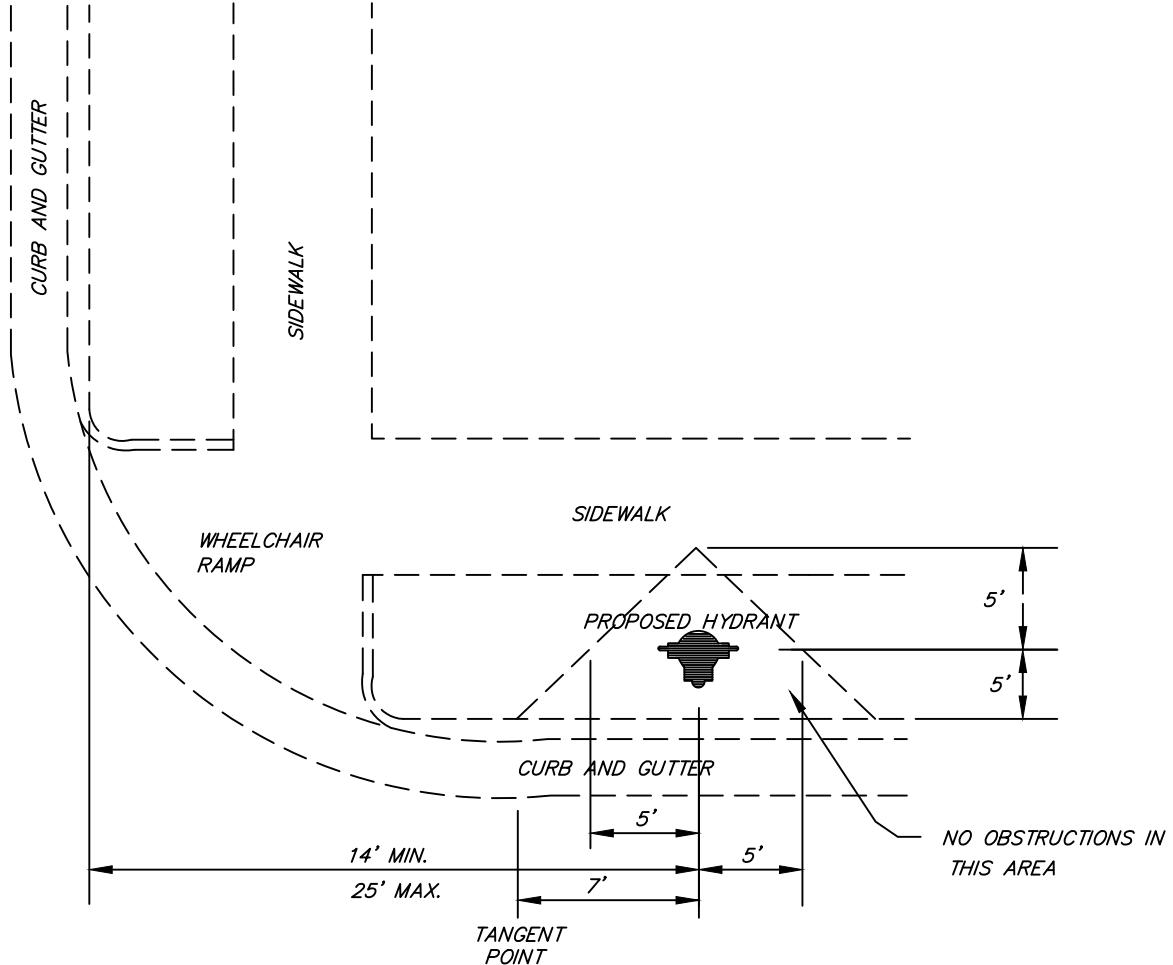
BUTTERFLY VALVE WITH MANHOLE AROUND ACTUATOR

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS612

DATE REVISIONS

7/24/09



NOTES:

1. LOCATION SHOULD BE COORDINATED WITH NCDOT ALONG STATE MAINTAINED ROADWAYS.
2. HYDRANTS NOT TO BE LOCATED IN RADIUS.

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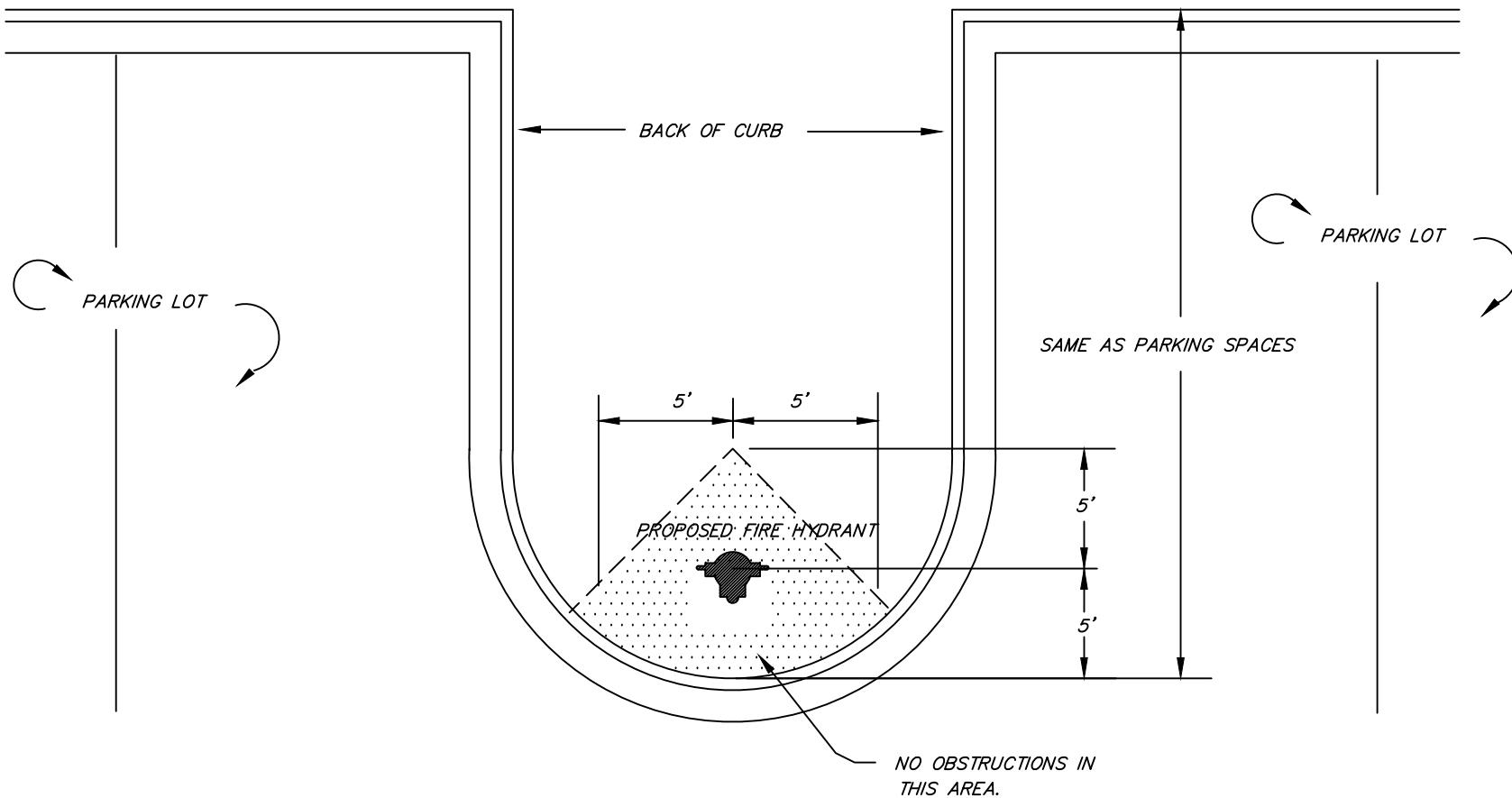
STANDARD HYDRANT LOCATION

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS613

DATE REVISIONS

11/9/21



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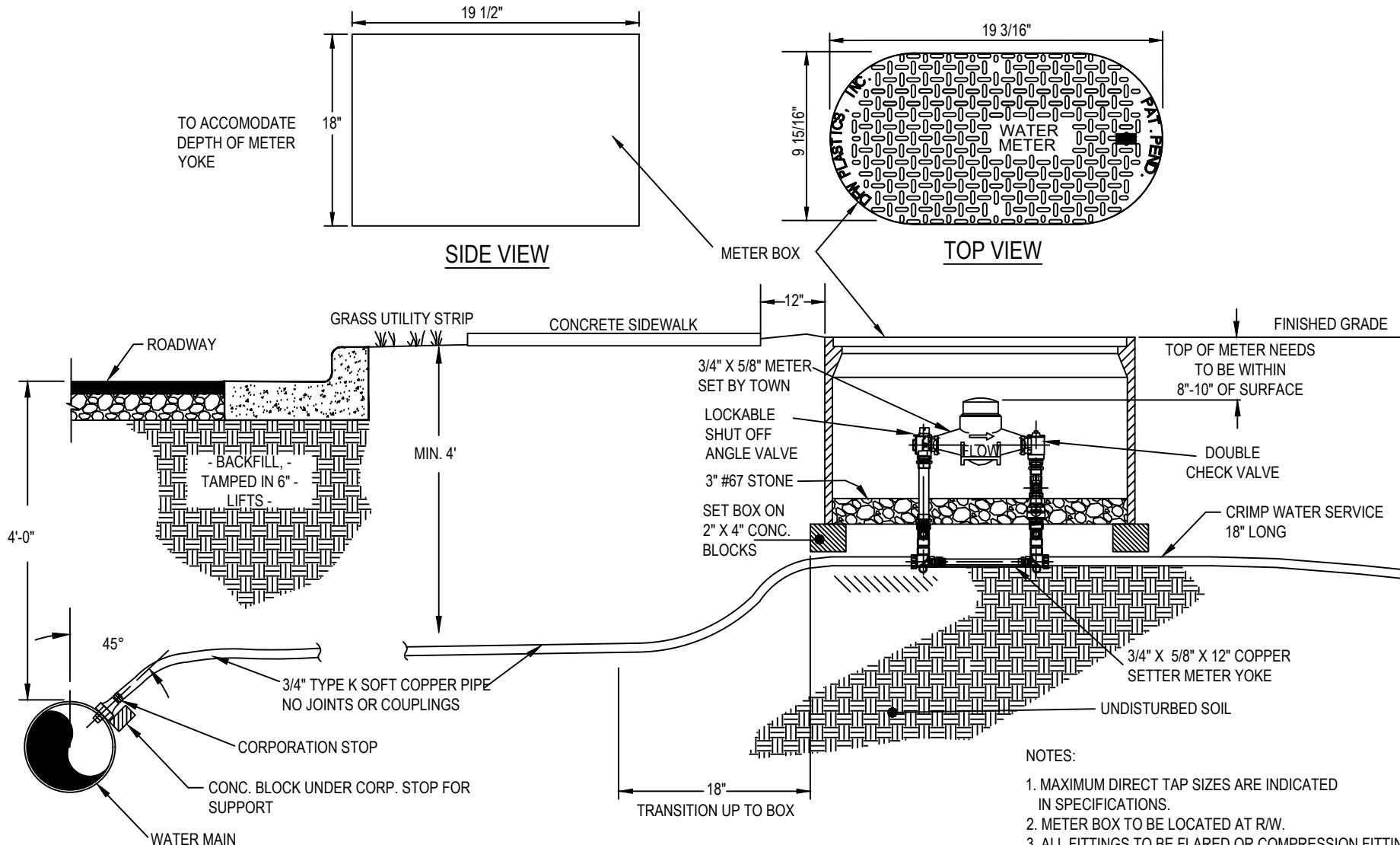
STANDARD HYDRANT LOCATION (FOR PARKING LOT)

STANDARD DETAIL NUMBER: **HS614**

DATE | REVISIONS

11/9/21

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT



NOTE:
CARRY WASHED STONE UNDER AND
AROUND PIPE TO PROTECT CORPORATION
STOP.

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STANDARD 3/4" WATER SERVICE

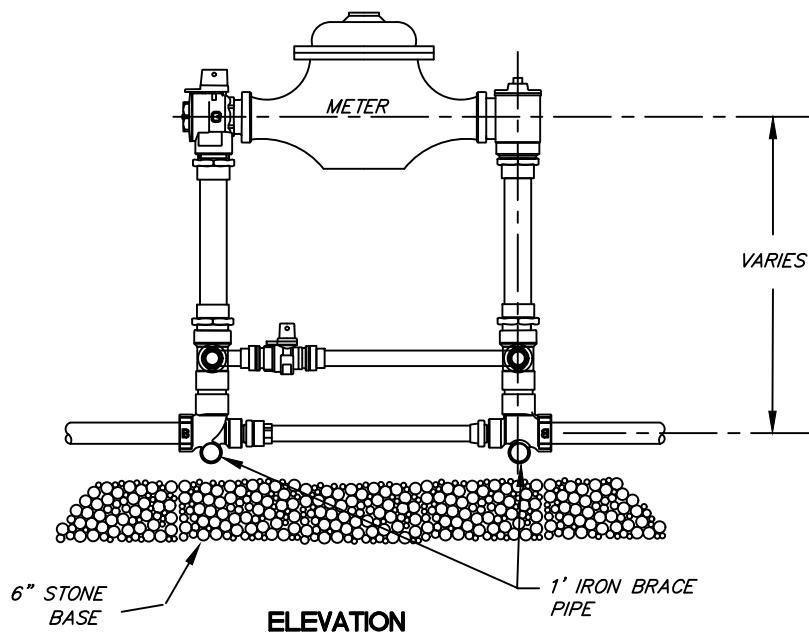
TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS615

DATE REVISIONS

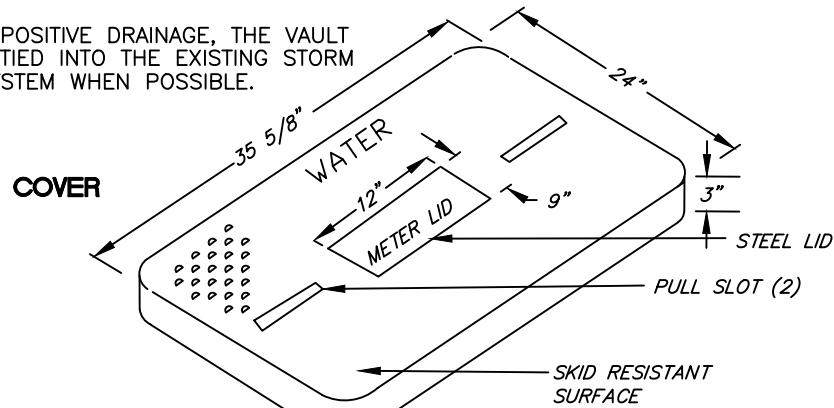
11/2/20
6/11/24



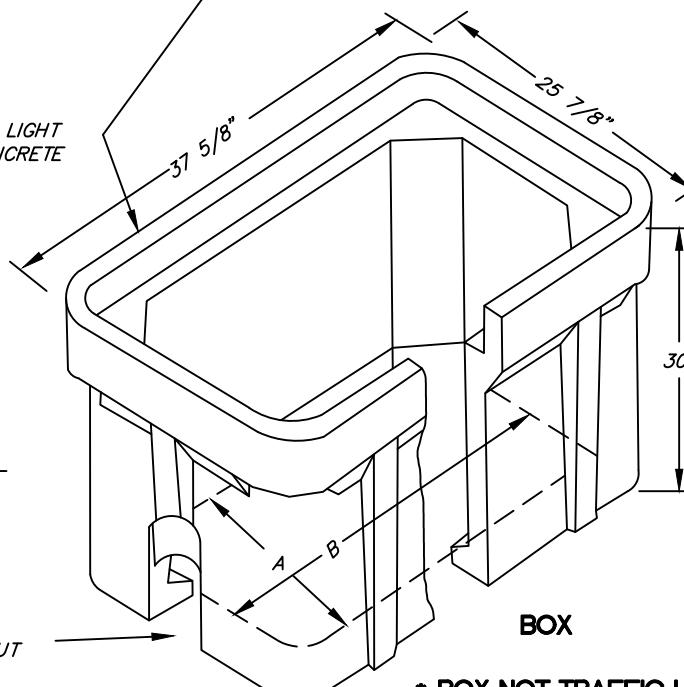


NOTES:

TO ENSURE POSITIVE DRAINAGE, THE VAULT SHOULD BE TIED INTO THE EXISTING STORM DRAINAGE SYSTEM WHEN POSSIBLE.



MATERIAL SHALL BE LIGHT WEIGHT POLYMER CONCRETE



NOTES:

1. PIPING TO BE BRASS & COPPER TUBING & SHALL BE EQUIPPED W/ANGLED CHECK VALVE OUTLETS & BY-PASS FLANGED VALVE OR BY-PASS FLANGED BALL VALVE INLETS AS FURNISHED BY FORD CUSTOMSETTERS, MUELLER OR OTHER APPROVED EQUAL.
2. PRECAST CONCRETE BOX WITH ALUMINUM ACCESS HATCH WILL BE AN ACCEPTABLE ALTERNATIVE WITH APPROVAL OF THE DIRECTOR OF ENGINEERING.

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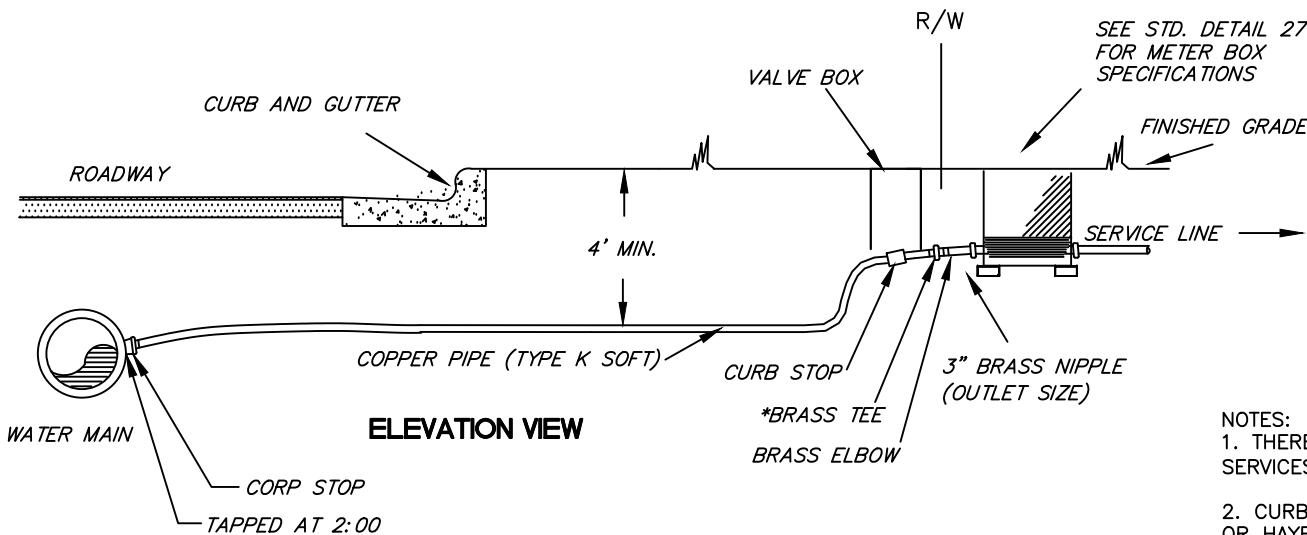
STANDARD 1-1/2" METER INSTALLATION AND VAULT

STANDARD DETAIL NUMBER: HS616

DATE **REVISIONS**

2/22/19

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT



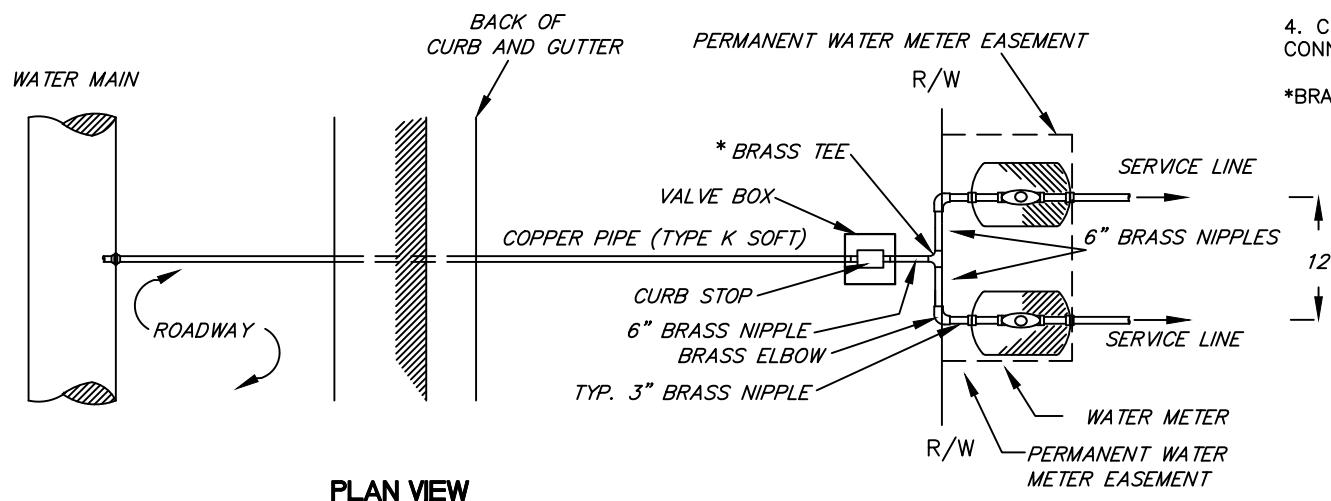
APPROVED MULTIPLE CONNECTIONS

SIZE SERVICE INCHES	SIZE INLET INCHES	NUMBER OF BRANCHES
3/4	3/4	2
3/4	1	3
3/4	1	4
3/4	1 1/2	5-10

NOTES:

1. THERE SHALL BE NO MULTIPLE CONNECTIONS FOR SERVICES OTHER THAN 3/4" (INCHES).
2. CURB STOPS SHALL BE AS MANUFACTURED BY FORD OR HAYES.
3. METER BOXES SHALL BE AS DESCRIBED IN THE STANDARD SPECIFICATIONS UNDER WATER DISTRIBUTION; HOWEVER, THE INLET SHALL BE IRON PIPE THREADED INLETS.
4. CURB STOP SHALL BE IN CENTER OF MULTIPLE CONNECTIONS.

*BRASS TEE: INLET SIZE x 3/4 INCH



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STANDARD MULTIPLE BRANCH SERVICES

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

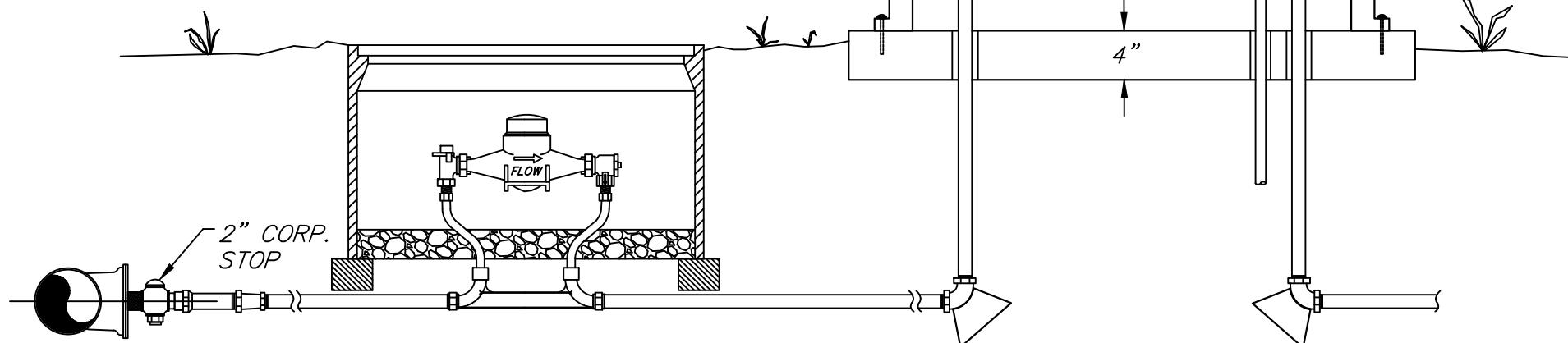
STANDARD DETAIL NUMBER: HS617

DATE REVISIONS

7/24/09

NOTES:

1. INSTALL VALVE ASSEMBLY IN ACCORDANCE WITH DRAWINGS. BE SURE THAT THE OUTSIDE DIMENSIONS OF THE VALVE ASSEMBLY WILL FIT INTO THE BOX BEFORE SETTING "HOT BOX".
2. PROVIDE GFCI RECEPTACLE, U.L. STND. 943-NEMA3R, INSIDE ENCLOSURE. MOUNT AT LEAST 6" ABOVE DISCHARGE POINT AND NEAR PIPE RISER ON THE HEATER CONNECTION SIDE.
3. WHEN PLACING HOT BOX OVER VALVE ASSEMBLY, BOX SHOULD BE COMPLETELY ASSEMBLED AND LATCHED BEFORE FASTENING TO FOOTER/SLAB.
4. ACCESS DOOR OR OPENING FRONT MUST BE PLACED ON THE SIDE OF THE VALVE REQUIRING TESTING OR MAINTENANCE ACCESS.
5. USE CARBIDE TIPPED CONCRETE BIT TO DRILL THROUGH PRE DRILLED BASE MOUNTING HOLES IN ENCLOSURE BASE FLANGES. INSERT "RED HEAD" EXPANSION ANCHORS AND BOLT FIRMLY TO CONCRETE.
6. CONCRETE TO BE 3000 PSI AT 28 DAYS.
7. RPZ MUST BE DIRECTLY BEHIND THE METER ON THE PRIVATE SIDE.
8. ALL ABOVE GROUND ENCLOSURES MUST HAVE ADEQUATE DRAINAGE (TWICE THE DIAMETER OF THE RP ASSEMBLY OR EQUIVALENT).
9. ALL PIPING SHALL BE BRASS OR COPPER



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RPZ INSTALLATION FOR COMMERCIAL IRRIGATION METERS

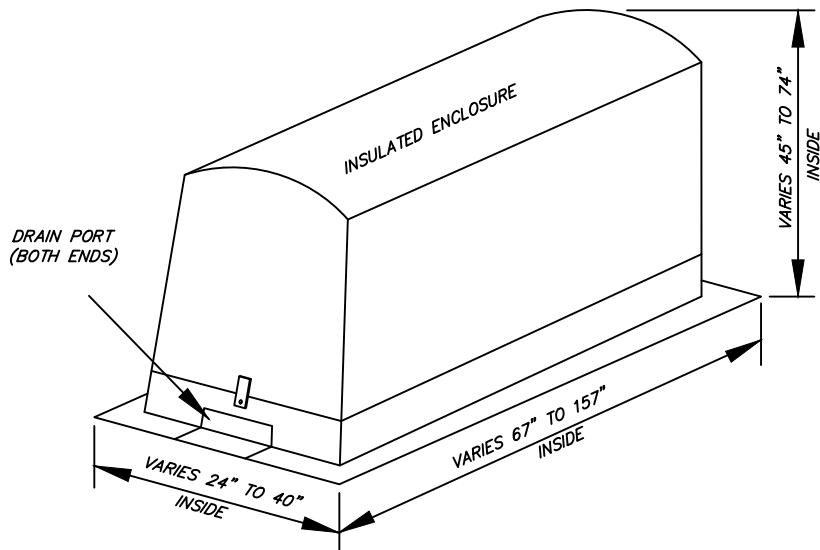
TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS618

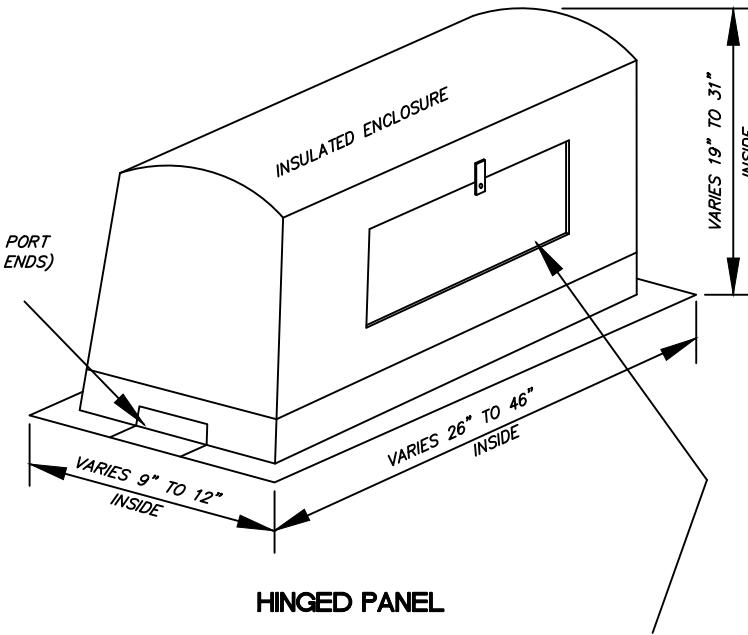
DATE REVISIONS

7/24/09

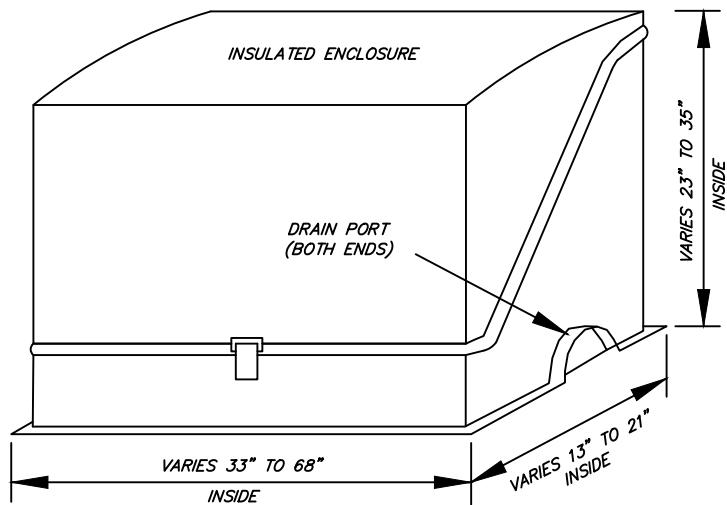
9/30/25



HINGED TOP



HINGED PANEL



ACCESS OPENING MUST BE ON THE SIDE OF
THE VALVE REQUIRING TESTING OR
MAINTENANCE ACCESS

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OUTDOOR RPZ SERVICES COVER

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: **HS619**

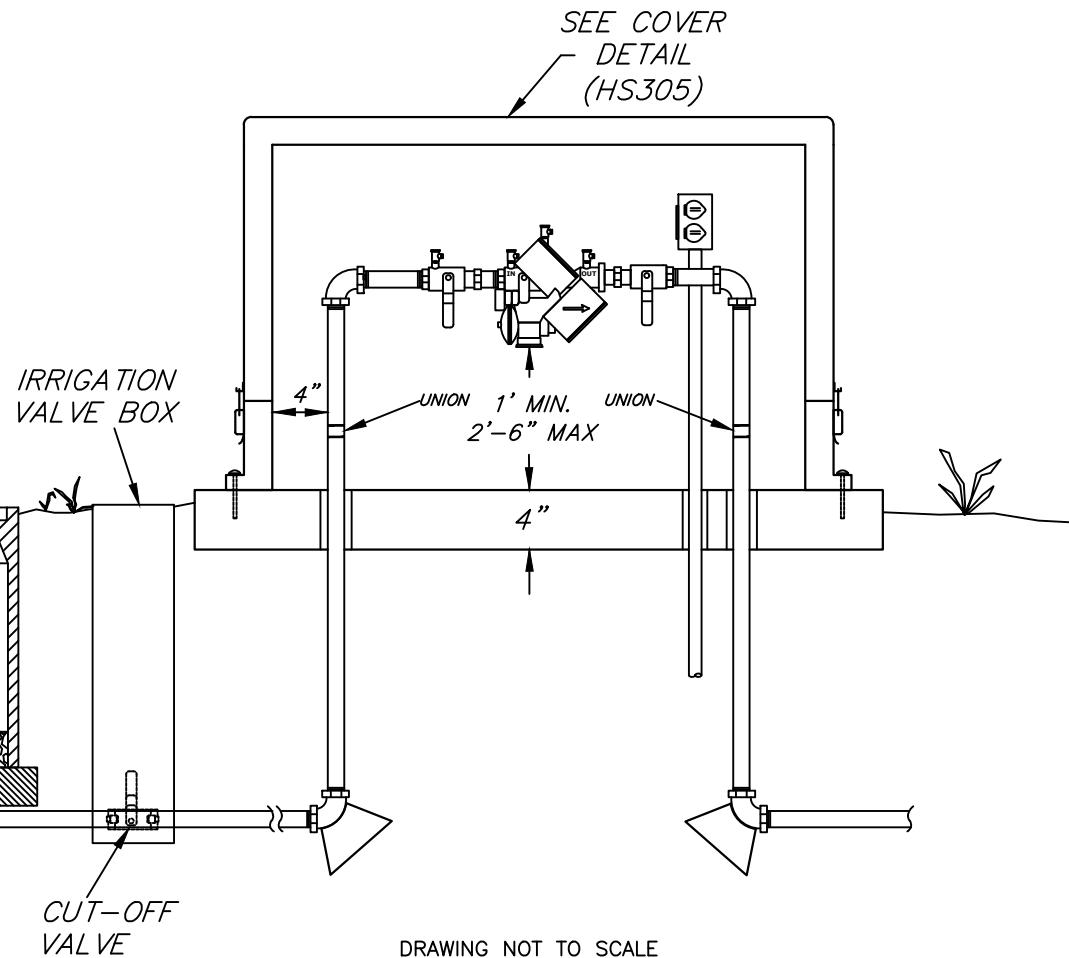
DATE	REVISIONS
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8/30/19

NOTES:

1. INSTALL VALVE ASSEMBLY IN ACCORDANCE WITH DRAWINGS. BE SURE THAT THE OUTSIDE DIMENSIONS OF THE VALVE ASSEMBLY WILL FIT INTO THE BOX BEFORE SETTING "HOT BOX".
2. PROVIDE GFCI RECEPTACLE, U.L. STND. 943-NEMA3R, INSIDE ENCLOSURE. MOUNT AT LEAST 6" ABOVE DISCHARGE POINT AND NEAR PIPE RISER ON THE HEATER CONNECTION SIDE.
3. WHEN PLACING HOT BOX OVER VALVE ASSEMBLY, BOX SHOULD BE COMPLETELY ASSEMBLED AND LATCHED BEFORE FASTENING TO FOOTER/SLAB.
4. ACCESS DOOR OR OPENING FRONT MUST BE PLACED ON THE SIDE OF THE VALVE REQUIRING TESTING OR MAINTENANCE ACCESS.
5. USE CARBIDE TIPPED CONCRETE BIT TO DRILL THROUGH PRE DRILLED BASE MOUNTING HOLES IN ENCLOSURE BASE FLANGES. INSERT "RED HEAD" EXPANSION ANCHORS AND BOLT FIRMLY TO CONCRETE.
6. CONCRETE TO BE 3000 PSI AT 28 DAYS.
7. RPZ NEEDS TO BE WITHIN 3 FEET OF WATER METER BOX. IF MORE THAN 3 FEET FROM WATER METER THEN A STEEL CASING WILL BE REQUIRED ON WATER LINE BETWEEN METER AND RPZ.
8. UNDER NO CIRCUMSTANCES SHALL RPZ BE IN EXCESS OF 30 FEET FROM WATER METER.
9. UNIONS ARE REQUIRED SO THAT RPZ ASSEMBLY CAN BE REMOVED TO PREVENT FREEZING.
10. ALL ABOVE GROUND ENCLOSURES MUST HAVE ADEQUATE DRAINAGE (TWICE THE DIAMETER OF THE RP ASSEMBLY OR EQUIVALENT).
11. ALL PIPING SHALL BE BRASS OR COPPER.

***Hot Box, Concrete Slab, and GFCI Receptical are optional for all single family home installations.**



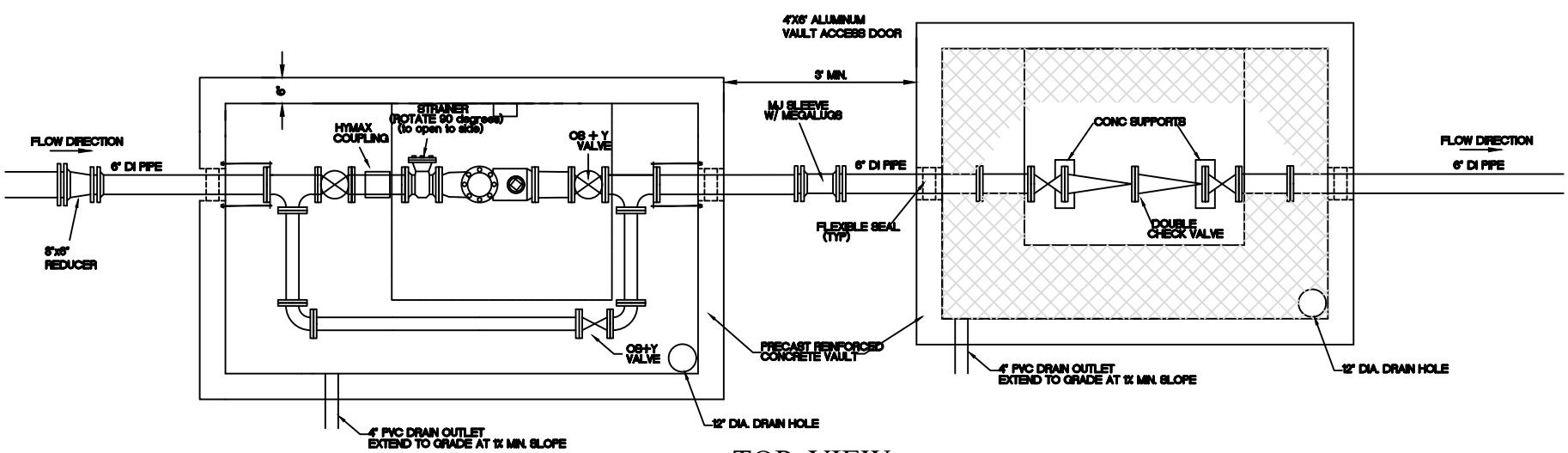
RPZ INSTALLATION FOR RESIDENTIAL IRRIGATION METERS

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: **HS620**

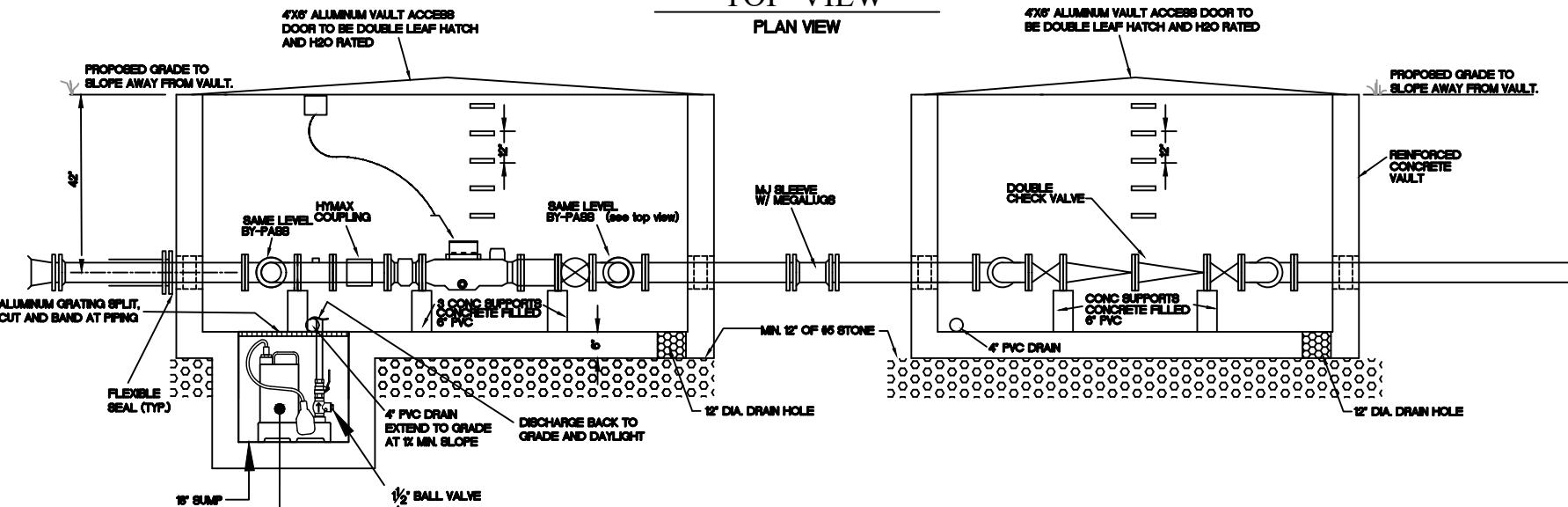
DATE **7/24/09**

REVISIONS **9/30/25**



TOP VIEW

PLAN VIEW



SIDE VIEW

NOTES:
 1. METER TO BE TOWN APPROVED METER WITH INTEGRAL STRAINER. BACKFLOW PREVENTER USE CONCRETE SUPPORTS ALSO FOR BY-PASS ALL PIPE SHALL BE DUCTILE IRON. STANDARD PRECAST VIALTS
 2. ENGINEER/ CONTRACTOR TO SUPPLY VIALT SIZE INFORMATION TO TOWNS INSPECTOR FOR ACCOMODATING VALVE ASSEMBLY PRIOR TO ORDERING/ INSTALLING VIALT.

*IF METER DOES NOT HAVE TEST PORT THEN A TEST PORT MUST BE INSTALLED ON PRIVATE SIDE OF METER AT TOWNS DESIRED LOCATION.

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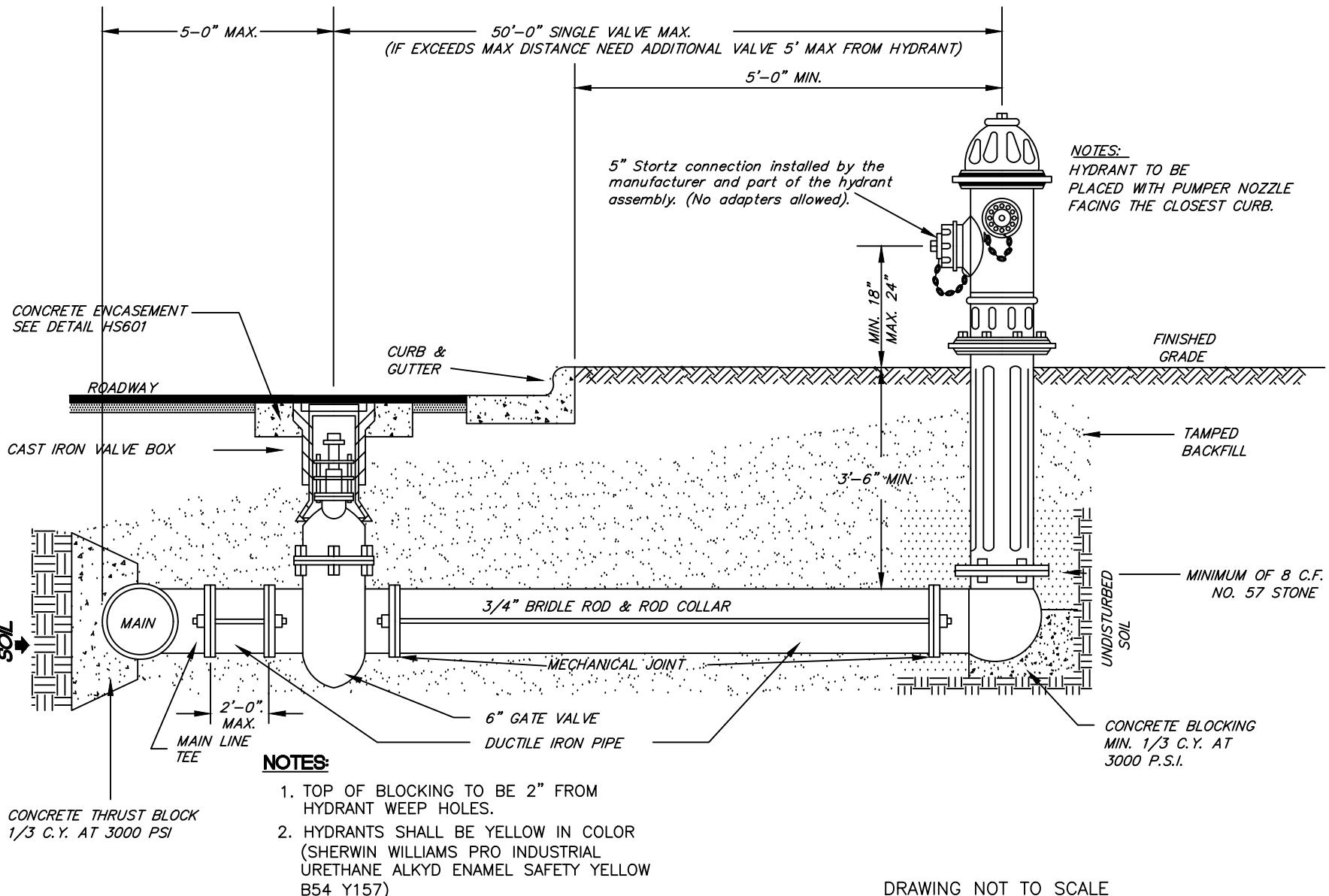
4" METER ASSEMBLY VIALT

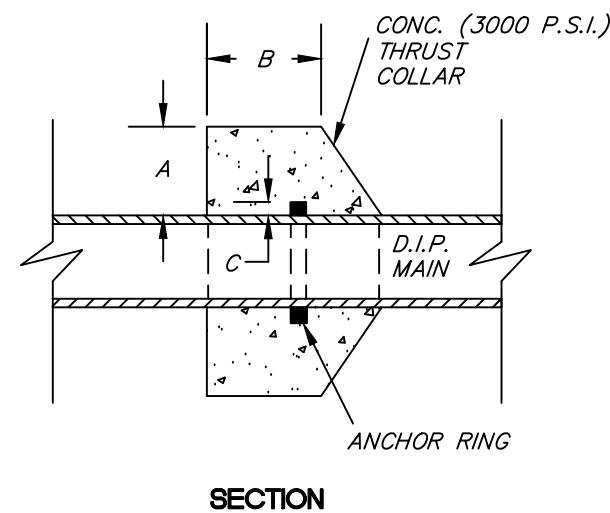
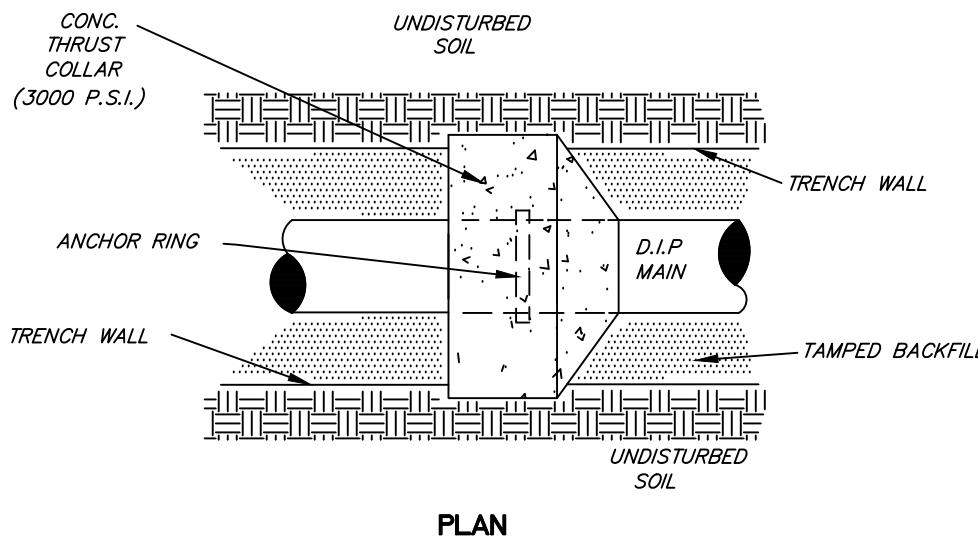
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS621

DATE REVISIONS

2/22/19

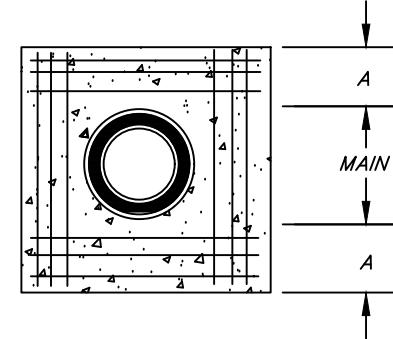




SCHEDULE				
PIPE DIAMETER	CONCRETE THRUST COLLAR	ANCHOR RING	RING REQUIRED	
	A	B	C	
6",8",12"	1'-0"	1'-0"	2"	ONE
16"	1'-4"	1'-0"	2"	ONE
20"	1'-4"	1'-0"	3"	ONE
24"	1'-4"	1'-0"	3"	TWO
30"	1'-4"	1'-2"	4"	TWO
36"	1'-4"	1'-4"	4"	TWO

NOTES:

1. CONCRETE COLLAR TO PROTRUDE INTO SIDES AND BOTTOM OF UNDISTURBED TRENCH WALL MIN. OF 6".
2. MEGALUG OR CAGE IS ACCEPTABLE INSTEAD OF ANCHOR RING.



NOTES:

6" TO 16" MAINS=12-NO.7 BARS
20" TO 36" MAINS=12-NO.8 BARS
BARS PLACED AS SHOWN

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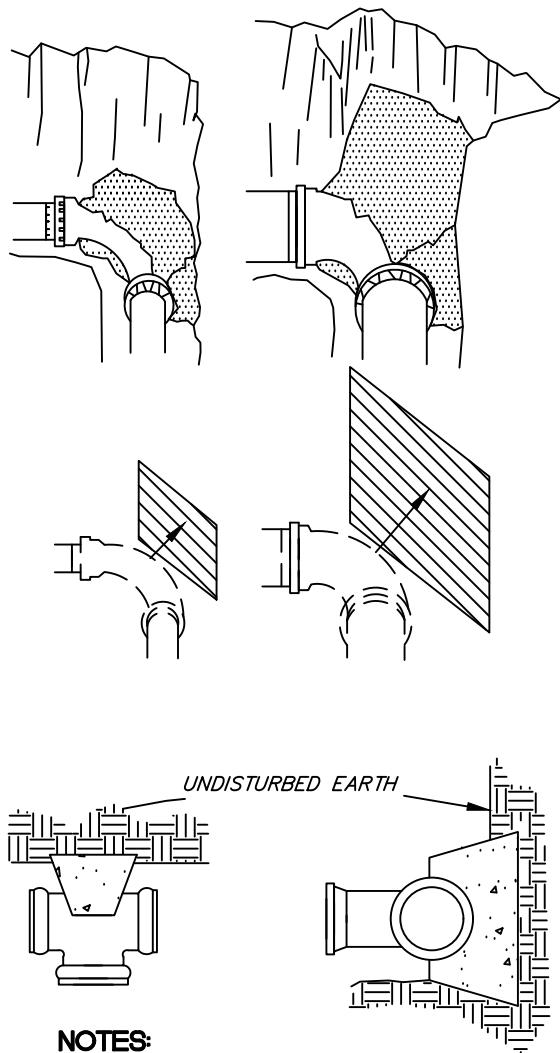
STANDARD THRUST COLLAR INSTALLATION

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS623

DATE REVISIONS

7/24/09



NOTES:

1. 4 MIL PLASTIC MUST BE WRAPPED AROUND ALL FITTINGS PRIOR TO POURING CONCRETE.
2. NO CONCRETE SHALL COVER BOLTS OR GLANDS.

MINIMUM CONCRETE BLOCKING (C.Y.)*					
NOM. PIPE DIA. IN.	TEES & DEAD ENDS	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1/3	1/3	1/3	1/3	1/3
6	1/3	1/3	1/3	1/3	1/3
8	1/3	1/2	1/3	1/3	1/3
10	2/3	3/4	1/2	1/3	1/3
12	3/4	1.0	2/3	1/3	1/3
14	1.0	1 1/2	3/4	1/2	1/3
16	1 1/3	2.0	1.0	1/2	1/3
18	1 2/3	2 1/3	1 1/3	2/3	1/3
20	2.0	3.0	1 2/3	3/4	1/2
24	3.0	4 1/3	2 1/3	1 1/3	2/3

*CONCRETE SHALL BE 3000 P.S.I. MIX.

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STANDARD REACTION BLOCKING

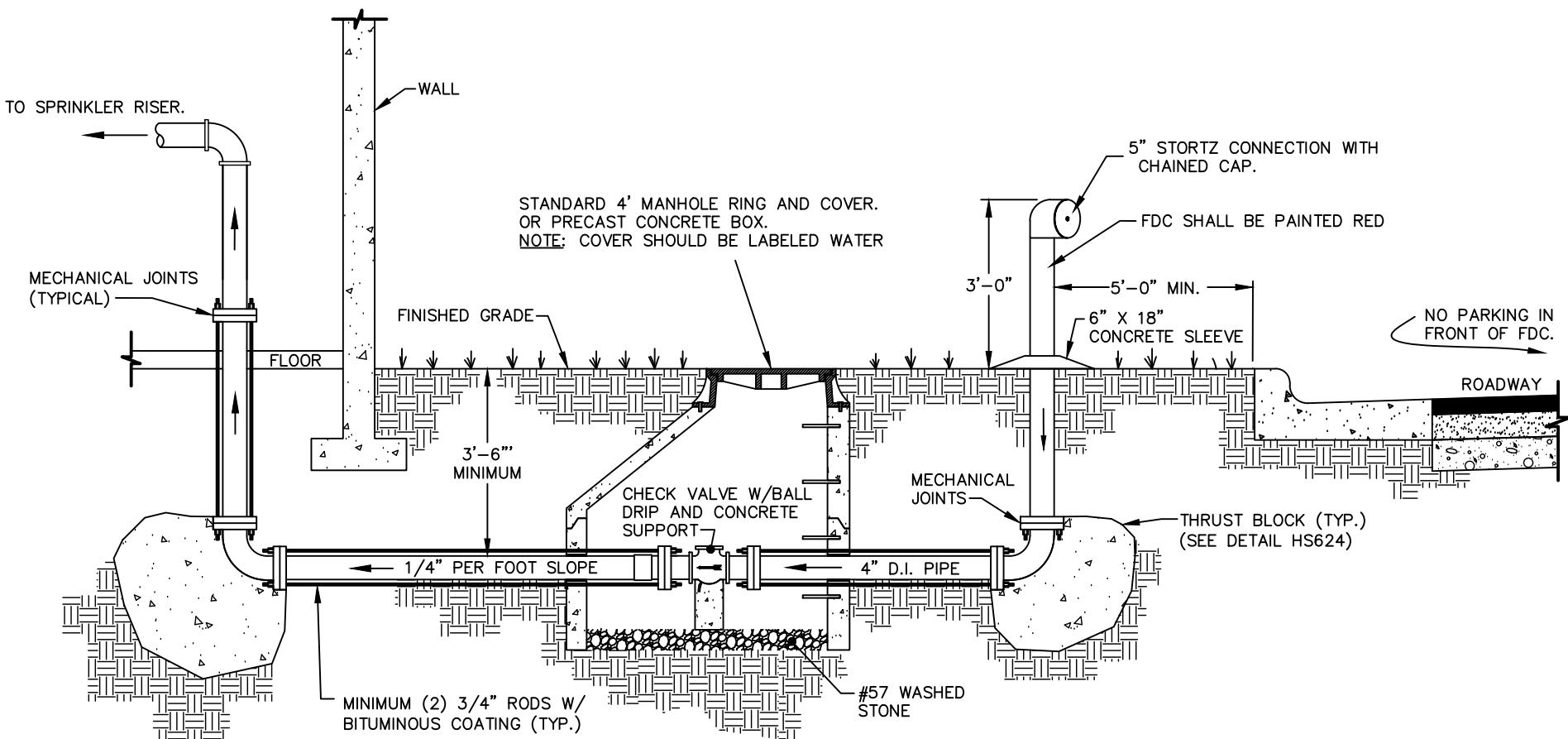
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS624

DATE REVISIONS

7/24/09





NOTES:

- 1) ALL CONNECTION'S MUST BE WITHIN 100 FEET OF A FIRE HYDRANT.
- 2) FDC CONNECTION CAN BE ATTACHED TO SINGLE STORY BUILDINGS ONLY.
CHECK VALVE W/ BALL DRIP NOT REQUIRED IF CONNECTION IS TIED DIRECTLY TO THE BUILDING.

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STANDARD DETACHED FDC CONNECTION

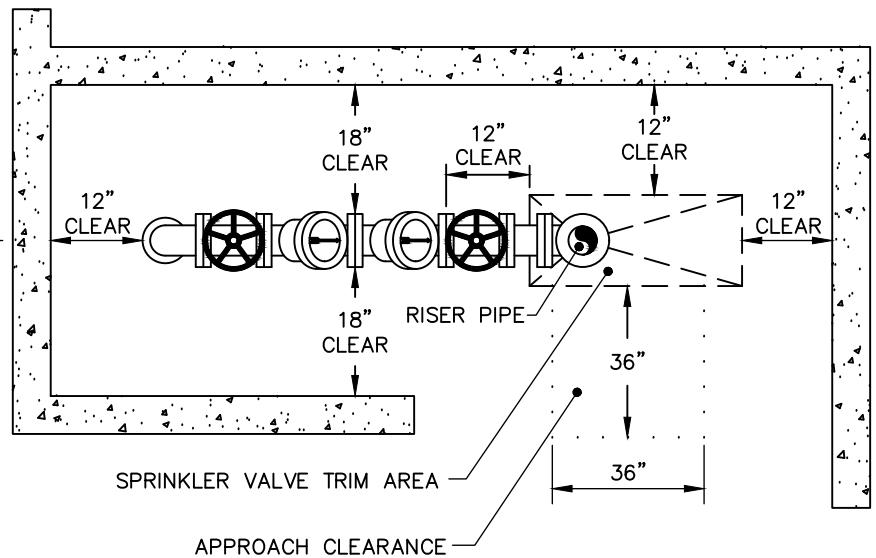
TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS625

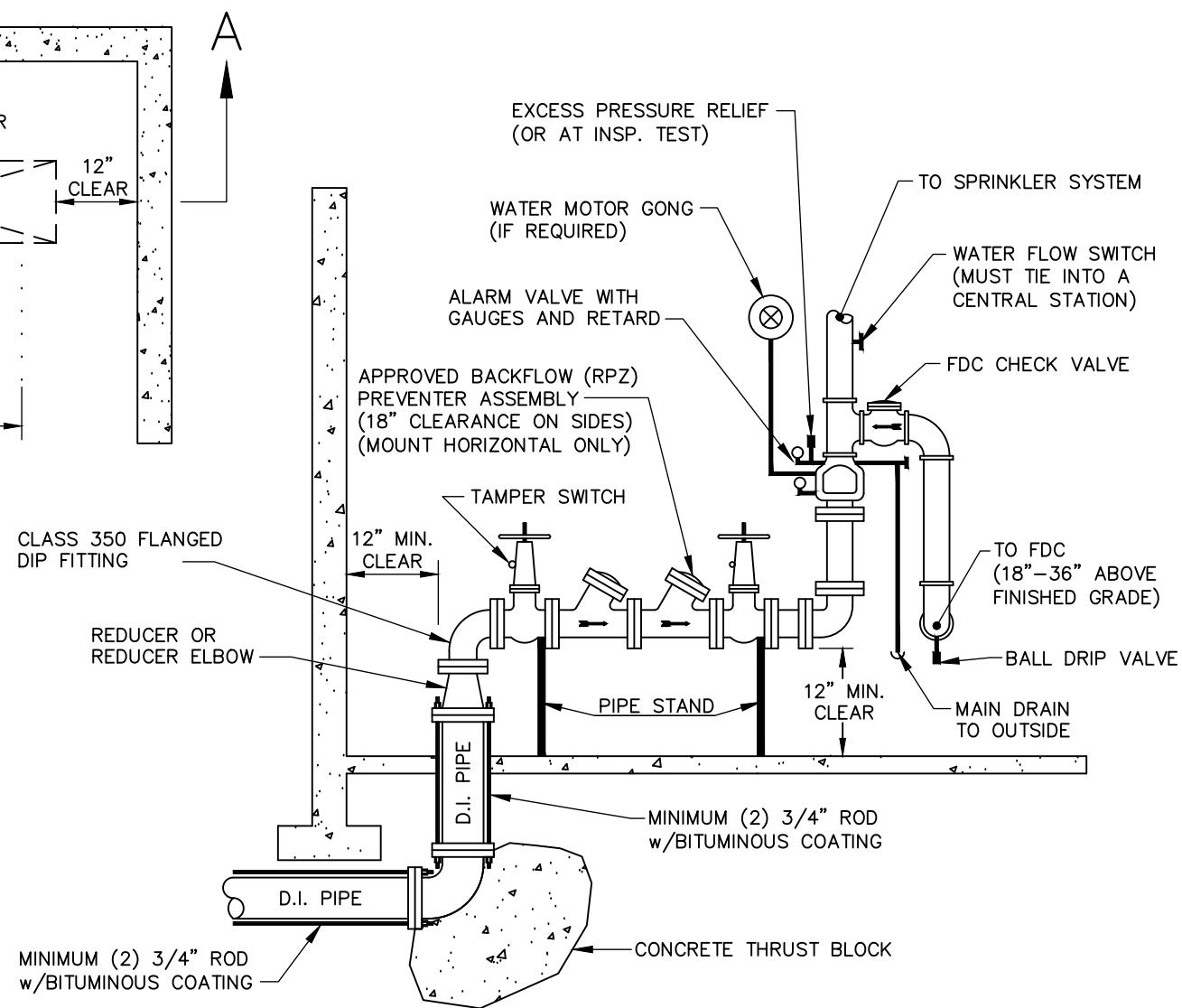
DATE REVISIONS

11/9/21

7/1/25



TOP VIEW



SECTION "A-A"

DRAWING NOT TO SCALE

STANDARD SPRINKLER RISER

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: **HS626**

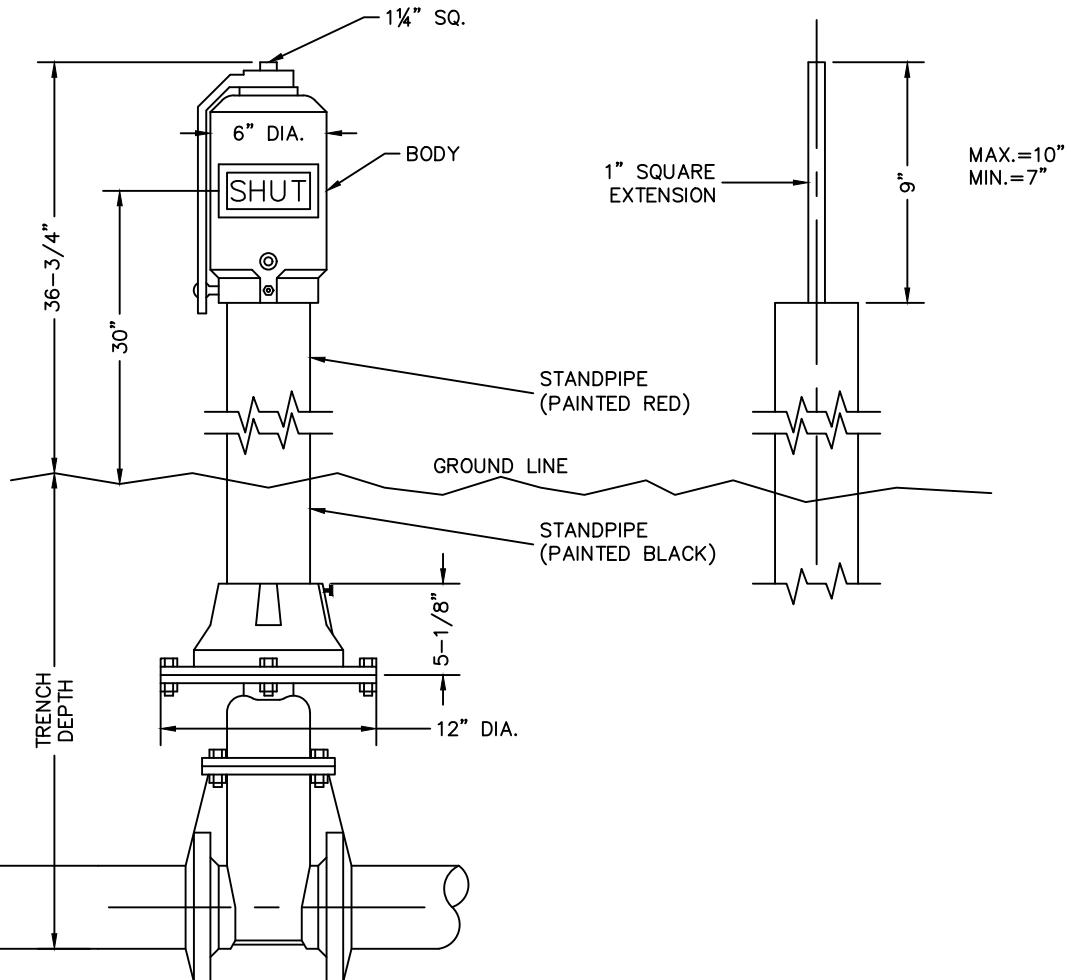
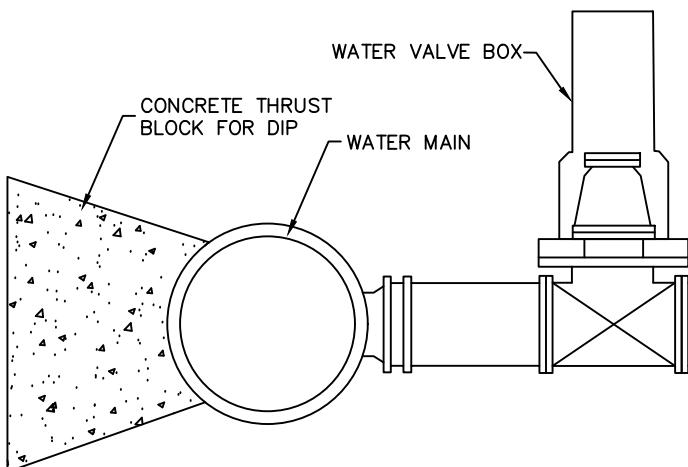
DATE	REVISIONS
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7/24/



FIELD ADJUSTMENT INSTRUCTIONS

1. REMOVE THE BODY FROM THE TOP OF THE INDICATOR POST ASSEMBLY.
2. CUT THE REQUIRED LENGTH OFF THE BOTTOM OF THE STANDPIPE FOR THE GROUND LINE TO MATCH UP WITH STANDPIPE GROUND LINE MARK.
3. CUT THE 1" SQ. EXTENSION AT A DISTANCE OF 9" ABOVE THE TOP OF THE STANDPIPE.
4. SET THE "OPEN" AND "SHUT" TARGETS FOR THE APPROPRIATE VALVE SIZE.
5. REATTACH THE BODY TO THE TOP OF THE INDICATOR POST ASSEMBLY.
6. ALL FIRE LINES WITH PIV WILL REQUIRE AN ADDITIONAL IN LINE VALVE AT THE SOURCE OF CONNECTION TO THE WATER MAIN.
7. 5' CLEARANCE ALL THE WAY AROUND THE PIV.



DRAWING NOT TO SCALE

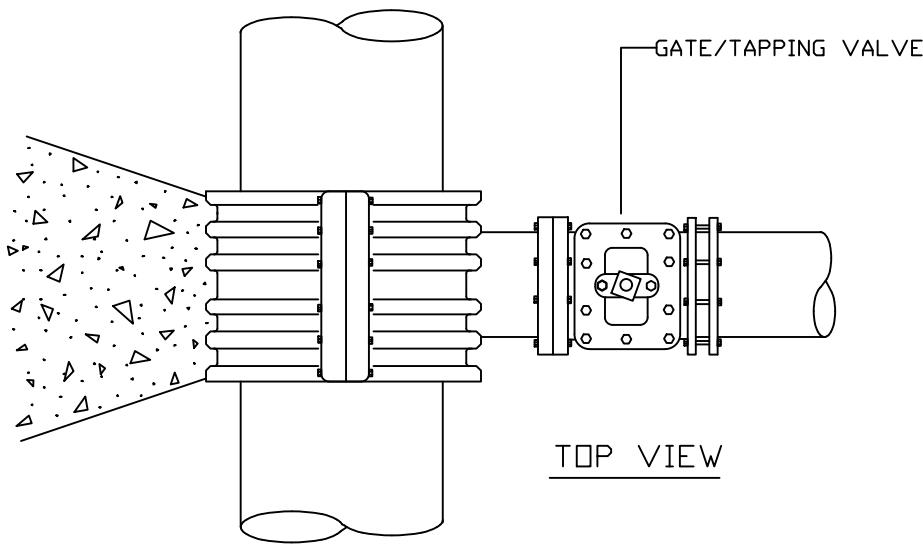
POST INDICATOR VALVE

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS627

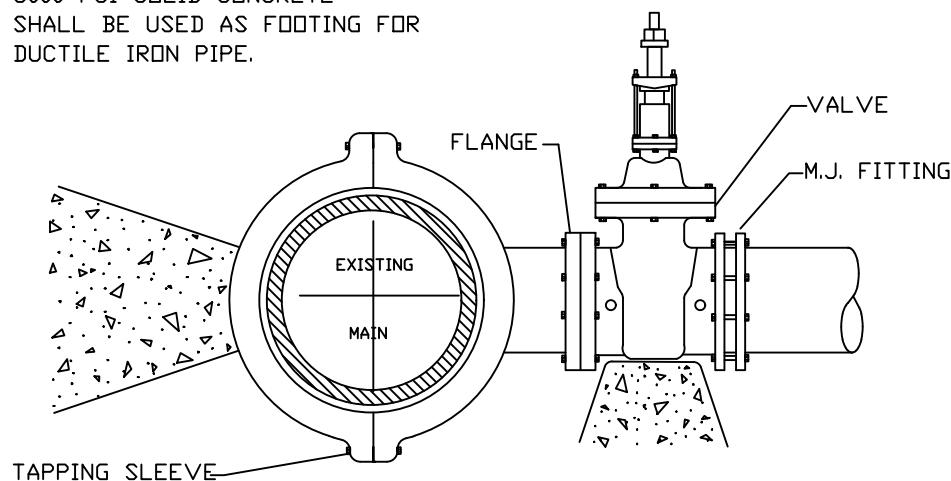
DATE | REVISIONS

11/9/21



TOP VIEW

3000 PSI SOLID CONCRETE
SHALL BE USED AS FOOTING FOR
DUCTILE IRON PIPE.



SIDE VIEW

NOTES:

1. CONCRETE SHALL NOT CONTACT
BOLTS OR ENDS OF MECHANICAL
JOINT FITTINGS.

DRAWING NOT TO SCALE

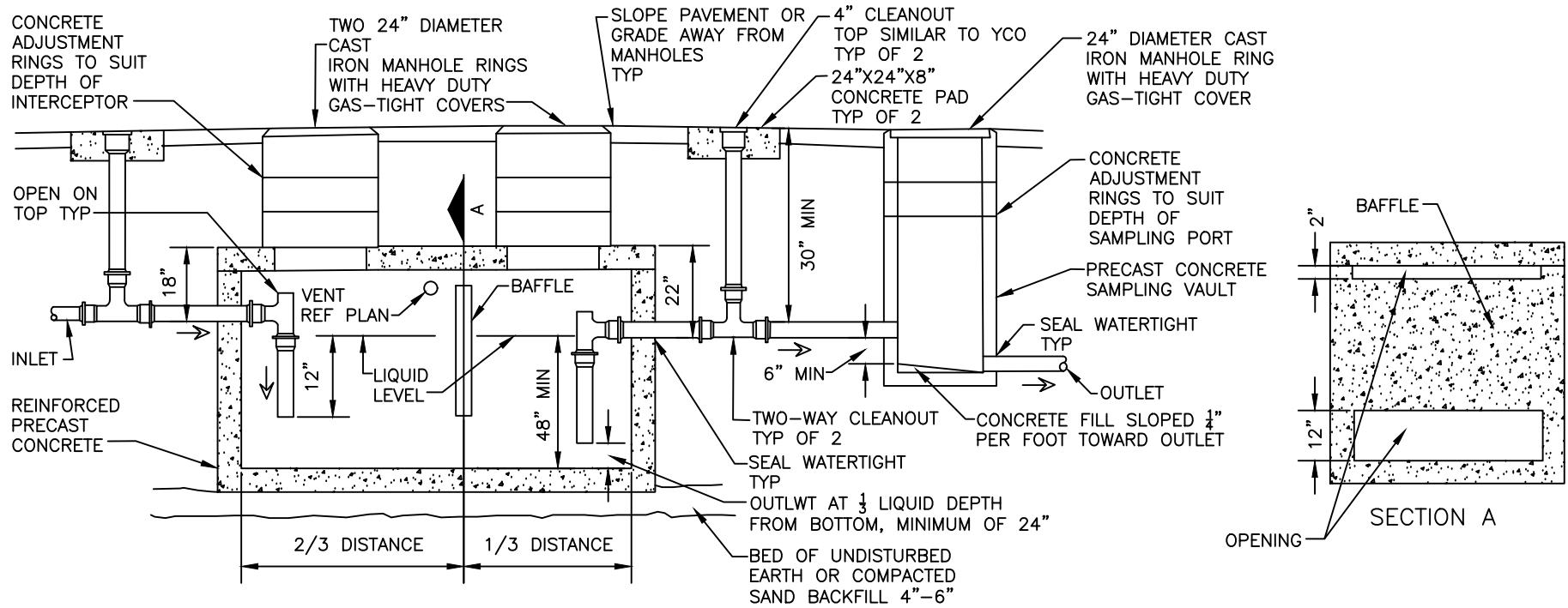
4" - 24" STANDARD TAPPING SLEEVE AND VALVE ASSEMBLY

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS628

DATE REVISIONS

8/30/19



DETAIL SHOWS GENERAL SCHEMATIC REQUIREMENTS. CONTRACTOR SHALL SUBMIT PROPOSED INTERCEPTOR INSTALLATION PLANS AND SPECIFICATIONS TO TOHS INSPECTIONS DEPARTMENT FOR APPROVAL BEFORE ACQUISITION OF INTERCEPTOR. PROVIDE INTERCEPTOR WITH ADEQUATE STRUCTURAL STRENGTH TO ACCOMODATE VEHICULAR TRAFFIC AT INSTALLATION LOCATION.

NOTES:

1. PROVIDE SAMPLING PORT DOWNSTREAM OF THE JUNCTION WITH THE MAIN SANITARY SEWER.
2. REFER TO PLUMBING PLAN FOR PIPE SIZES.
3. CONTACT PUBLIC UTILITIES WITH QUESTIONS REGARDING GREASE TRAPS.

DRAWING NOT TO SCALE

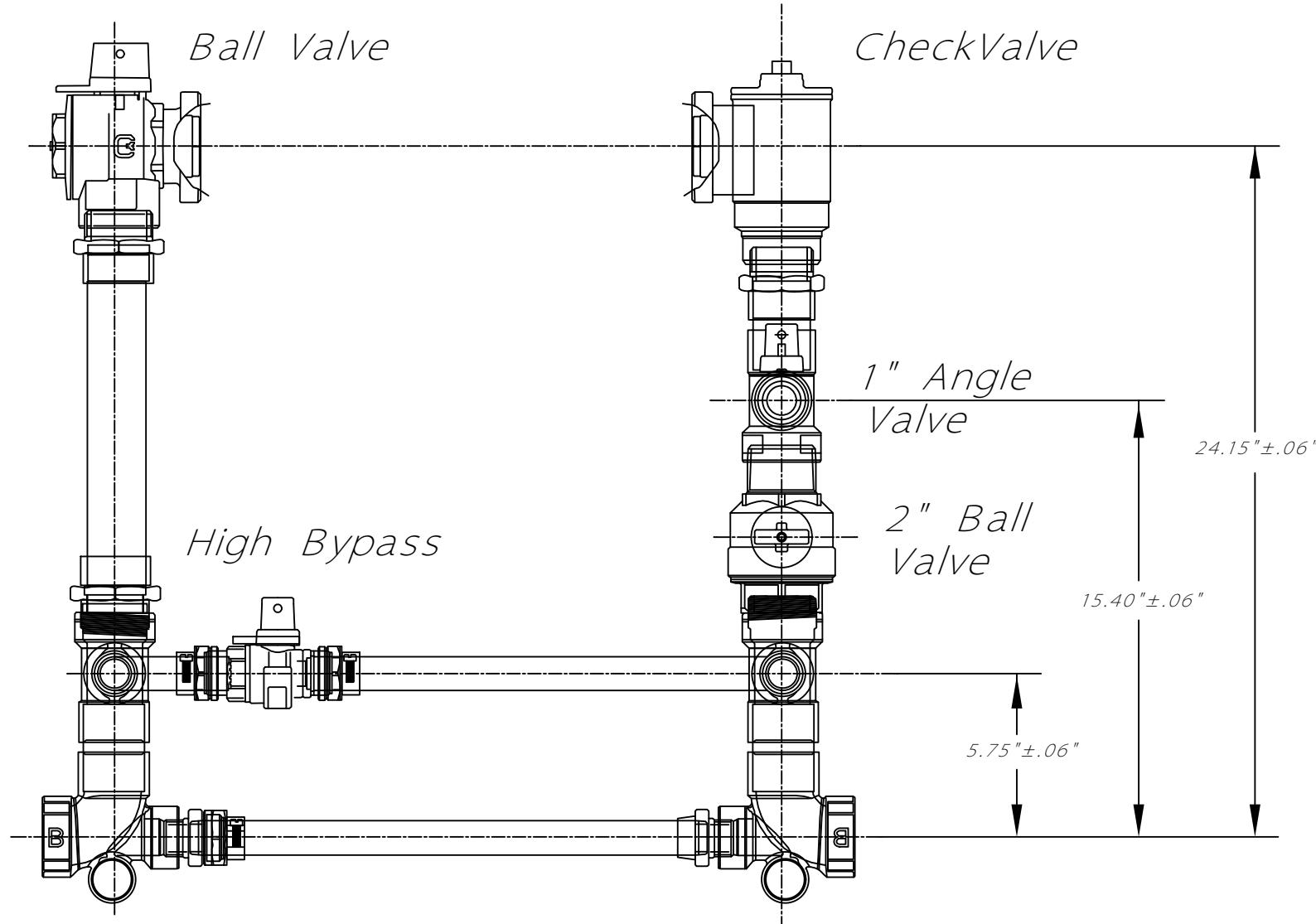
PRECAST GREASE INTERCEPTOR

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS629

DATE REVISIONS

9/14/09



DRAWING NOT TO SCALE

2" METER SETTER WITH HIGH BYPASS

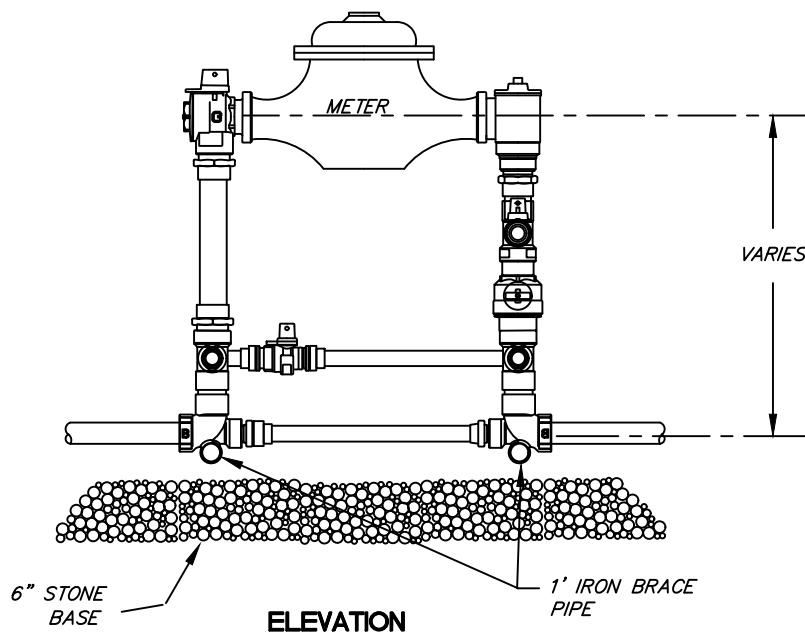
STANDARD DETAIL NUMBER HS630

DATE REVISIONS

6/22/15

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT



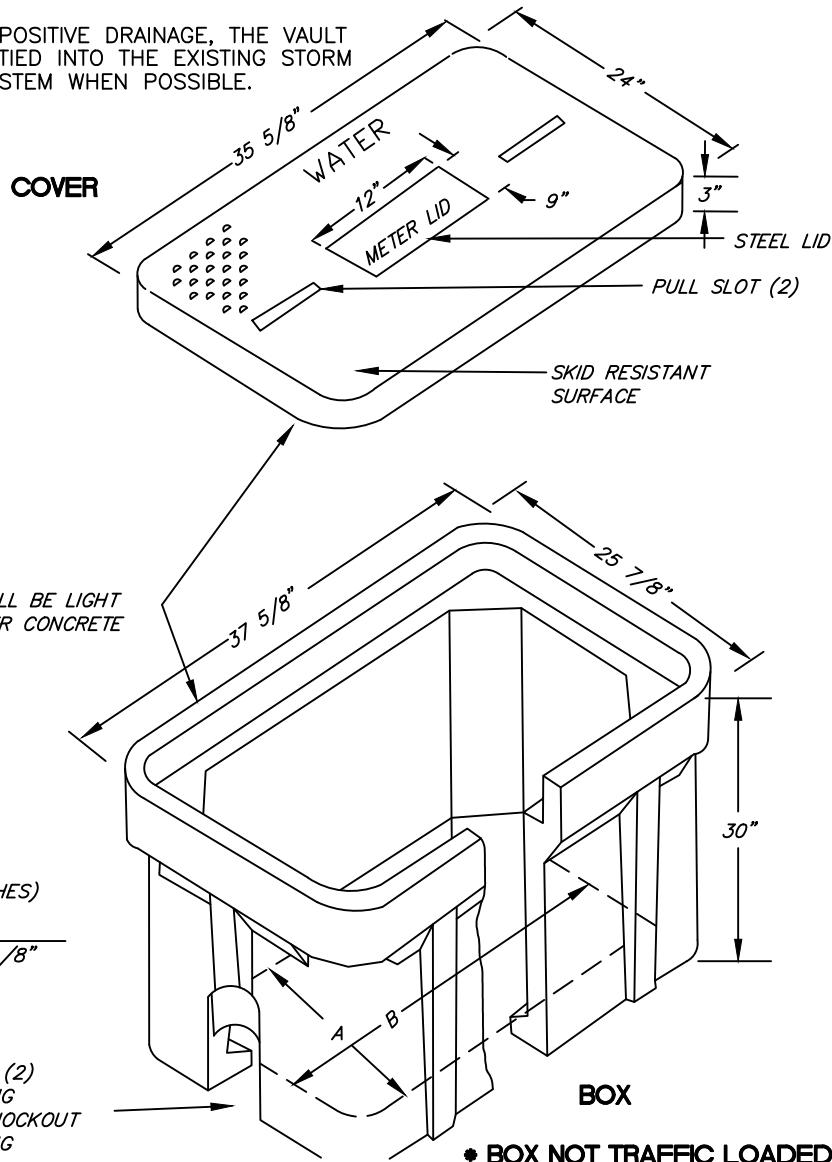


NOTES:

1. PIPING TO BE BRASS & COPPER TUBING & SHALL BE EQUIPPED W/ANGLED CHECK VALVE OUTLETS & BY-PASS FLANGED VALVE OR BY-PASS FLANGED BALL VALVE INLETS AS FURNISHED BY FORD CUSTOMSETTERS, MUELLER OR OTHER APPROVED EQUAL.
2. PRECAST CONCRETE BOX WITH ALUMINUM ACCESS HATCH WILL BE AN ACCEPTABLE ALTERNATIVE WITH APPROVAL OF THE DIRECTOR OF ENGINEERING.

NOTES:

TO ENSURE POSITIVE DRAINAGE, THE VAULT SHOULD BE TIED INTO THE EXISTING STORM DRAINAGE SYSTEM WHEN POSSIBLE.



DRAWING NOT TO SCALE

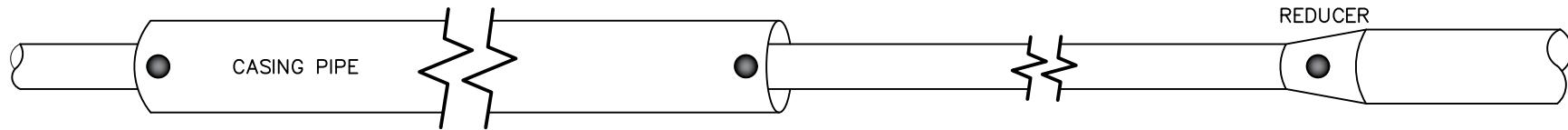
STANDARD 2' METER INSTALLATION AND VAULT

STANDARD DETAIL NUMBER: HS631

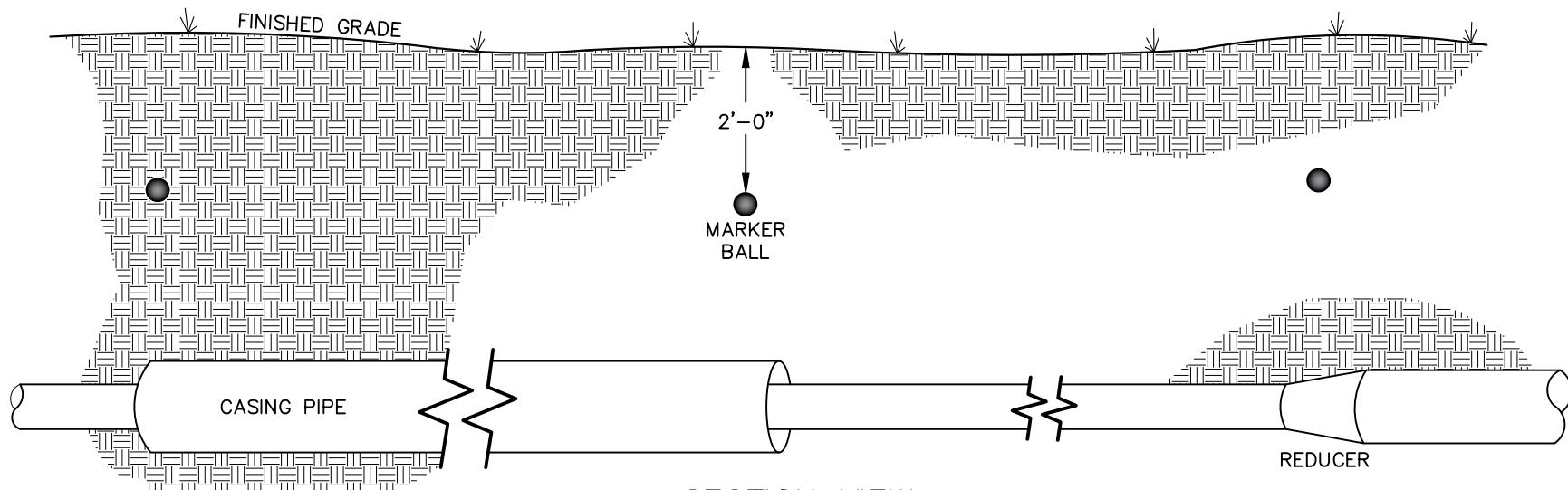
DATE REVISIONS

2/22/19

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT



PLAN VIEW



SECTION VIEW

UTILITY MARKER BALL COLOR
BLUE – POTABLE WATER

● = NON-PROGRAMMABLE MARKER BALL

NOTES:

1. MARKER BALLS SHALL BE LOCATED ABOVE THE PIPE, 2 FEET BELOW FINISHED GRADE.
2. ADDITIONAL BALLS MAY BE REQUIRED AS DIRECTED BY THE TOWN IN CONGESTED AREAS OR TO MARK AN ATYPICAL ALIGNMENT.

DRAWING NOT TO SCALE

**STANDARD UTILITY MARKER BALL LOCATIONS
FOR WATER MAINS**

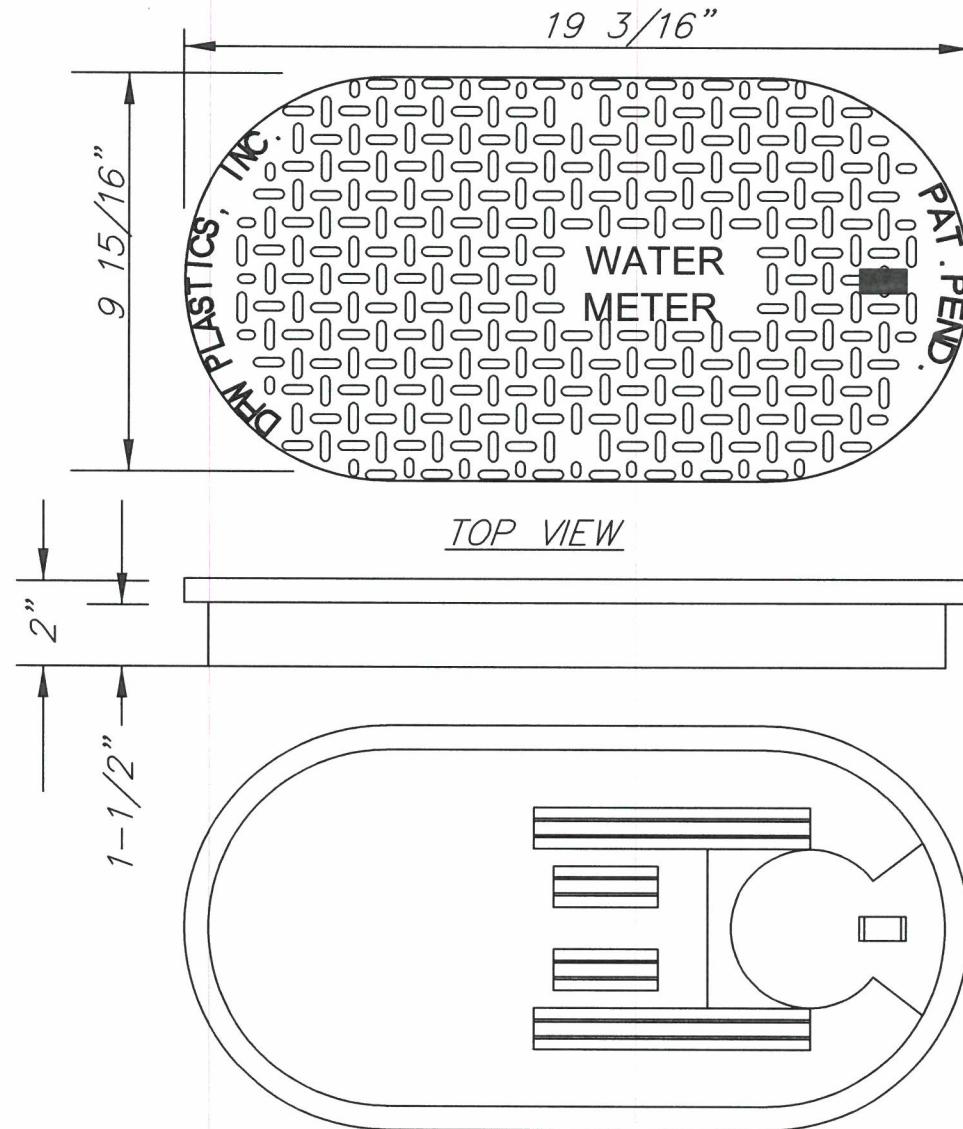
STANDARD DETAIL NUMBER: HS633

DATE

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TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

1/15/19



NOTES:

1. DIM'S $\pm \frac{1}{8}$ U.N.O.
2. LID MATERIAL H.D.P.E.

DRAWING NOT TO SCALE

STANDARD WATER METER LID

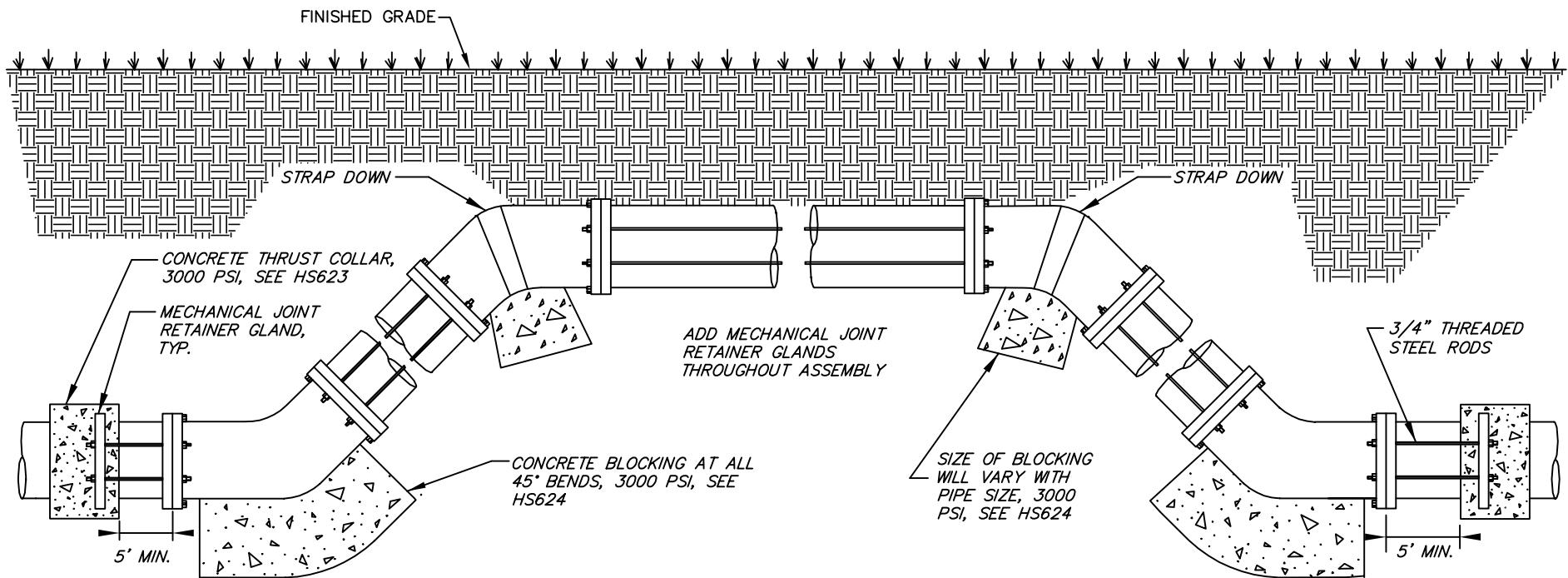
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS634

DATE REVISIONS

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ROD REQUIREMENTS

SIZE OF 45° BEND	STATIC THRUST IN POUNDS	NUMBER OF RODS REQUIRED
6"	4,328	2
8"	7,694	4
12"	17,312	4
16"	30,779	8
24"	69,252	8

NOTES:

1. VERTICAL BENDS ARE NOT PERMITTED UNLESS OTHERWISE APPROVED BY TOHS DEVELOPMENT INSPECTOR.
2. STEEL RODS AND BOLTS SHALL BE 3/4" HOT DIPPED GALVANIZED.
3. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT BENDS.
4. RESTRAINED MECHANICAL GLANDS TO BE USED AT ALL FITTINGS.
5. MUST USE DUCTILE IRON EYE BOLTS WHERE NECESSARY.
6. 3' MINIMUM COVER MUST BE MAINTAINED ON ALL WATER MAINS

DRAWING NOT TO SCALE

STANDARD VERTICAL BEND

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS635

DATE | REVISIONS

6/27/23